Volume 166 No. 8

Oil, Paint and Drug Reporter

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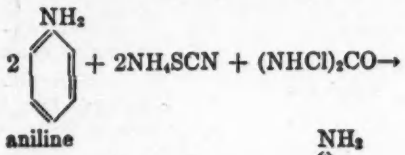
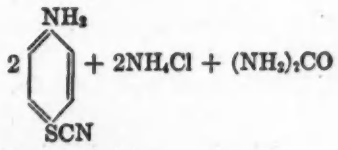


aniline

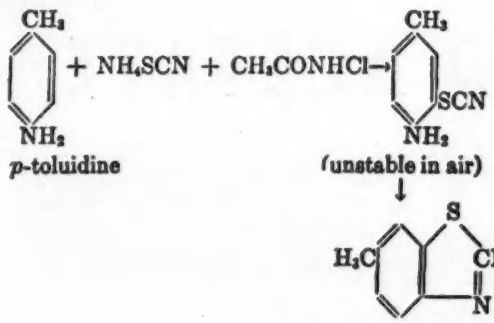


4-thiocyanoaniline

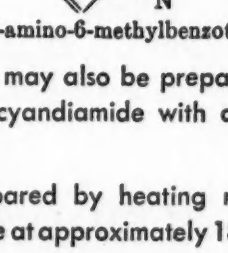
enters one of the ortho positions, but only with difficulty, with excessive heat liberation, and with the formation of a thiazole.

4. Some amine salts react with ammonium thiocyanate to give the corresponding amine thiocyanates.

5. Some amine salts yield the corresponding thioureas.



p-toluidine (unstable in air)



2-amino-6-methylbenzothiazole

6. Guanidine thiocyanate may also be prepared in 90% yield by heating dicyandiamide with ammonium thiocyanate.

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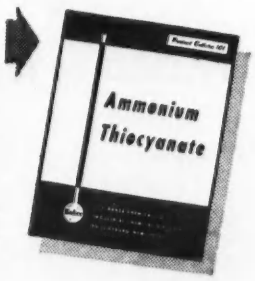

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Alcohol Rules Altered For Industrial Grade

In line with an earlier notice (OPD, 8/2/54), the Internal Revenue Service last week amended its rules covering the production of industrial alcohol. The changes, made in part 182 of chapter 26 of the code of federal regulations, are designed:—

(1) To provide for the receipt and use of materials and the distillation of alcohol without supervision of a storekeeper-gauger under certain conditions.

(2) To permit the proprietor of a denaturing plant to receive, package and remove denatured alcohol during regular business hours, and at other hours on appropriate notice, without supervision of a storekeeper-gauger.

(3) To provide for checking of the carrier's permit, examining of conveyances, sealing of openings and distributing of forms by the proprietor on removal of denatured alcohol.

(4) To conform with the provisions of Treasury Decisions 5065 and 5075 relative to the reuse, marking aind numbering of steel drums.

(5) To provide that copies of forms 1440 and 92 be forwarded to the storekeeper-gauger at a rectifying plant or tax-paid bottling house.

(6) To discontinue the use of form 1473 covering shipments of completely denatured alcohol.

(7) To delete administrative instructions which are to be incorporated in internal management documents.

(8) To require a closed distilling system to begin at the point where access to the contents of any vessel, pipe, or other container in the system would constitute a jeopardy to the revenue.

Atomic Energy Compromise Legislation to White House

Congressional leaders, after resolving the hotly-contested patents issue, last week whipped the compromise atomic energy bill through the senate and house. Following an agreement worked out by senate-house conferees for government control of most atomic patents for a period of five years, the senate gave the measure quick approval by a roll-call vote of 59 to 17. House sanction was equally swift, coming via a voice vote.

The bill, which now goes to the White House, gives the administration most of what it wanted in a revamping of the nation's eight-year-old atomic energy law. It authorizes limited exchange of atomic data with United States allies and permits the entry of private industry into the atomic field.

The legislation was snarled in thirteen days of senate debate, largely revolving about the patents question. The house origially approved the awarding of seventeen-year exclusive patent rights to private firms developing atomic devices and processes of their own. The senate demanded ten years of compulsory patent sharing. The deallock was broken with a provision calling for compulsory patent sharing for five years at the outset with the adoption of the exclusive patent system later.

Another major section of the compromise requires that publicly-owned utilities and cooperatives be given first preference as customers for surplus electric power produced by the Atomic Energy Commission or any other federal agency.

Aluminum Expansion Plans Dropped; Supply Held Ample

The Office of Defense Mobilization last week revealed that it has junked plans for a third round of aluminum expansion. The program, which would have called for another 200,000 tons of aluminum production annually, was dropped, ODM said, because a recent survey by the agency has shown that present supplies are sufficient to cope with any defense needs for some time to come.

ODM said that the factors that entered into the decision were domestic aluminum capacity, increased Canadian output, secondary production from scrap, and the quantity of the metal now held by the government in the stockpile. The agency indicated, however, that new or old firms who wish to expand their aluminum capacity, can still obtain rapid tax write-offs despite the dropping of the government's third-round plans.

Titanium Goal Is Set Up For Processing Facilities

The Office of Defense Mobilization last week set an interim expansion goal for titanium processing facilities. The goal calls for facilities with an annual capacity by the end of 1956 to process 37,500 tons of titanium ingot into mill products. It parallels an interim goal, established in February, of a like tonnage of titanium melting facilities.

ODM officials said that increased use of titanium mill products over the next few years will result in a corresponding increase in demand for timely and adequate titanium mill capacity. At present, there are no processing facilities in operation designed specifically for the production of titanium mill products. Because of the absence of such facilities, the industry has relied for its mill products on plants designed for stainless steel production.

Unions Agree on Formula For Merger of Two Groups

The beginnings of what may turn out to be the No. 1 union in the chemical industry took shape in Washington last week as two important CIO unions hit on a merger formula. Under the watchful eye of national CIO officials, twelve-man teams from the United Gas, Coke and Chemical Workers and the Oil Workers International Union agreed on a merger constitution.

The action, which culminated ten days of negotiations between the two groups, must be ratified by the chemical workers at their annual meeting in St. Louis, Mo., September 13 to 16 and by the oil union November 15 in Cleveland, Ohio. If sanctioned by the two unions, the constitution would then be submitted to a merger convention.

While details of the merger agreement were not revealed, it was believed that the consolidation would result in one big union with a membership of more than 180,000—about 100,000 oil workers and some 80,000 chemical workers. Later on, it is expected that other unaffiliated labor groups in the chemical industry will be asked to join the new union.

Hoover Gets Post in State

Herbert Hoover, jr., noted petroleum engineer and son of the former President, was confirmed last week by the senate as Undersecretary of State to succeed Walter Bedell Smith. Mr. Hoover, special consultant to Secretary of State Dulles during the past year, is widely credited with shaping the recent settlement of the Iranian oil controversy.

FDA Pledges Confidence On Drug Trade's Secrets

Food and Drug Administration last week assured the drug industry that it will keep confidential information contained in new-drug applications.

In a policy statement, published in the Federal Register August 18, the agency pointed out that it is a violation of the federal food, drug and cosmetic act "to divulge to unauthorized persons any information acquired from a new-drug application concerning any method or process that is a trade secret."

The agency noted, however, that basic producers sometimes offer data to FDA in the form of "master files" aimed at demonstrating the safety of ingredients—flavoring compounds, for example—that may be used in new drugs. In submitting these master files these basic producers authorize their customers—the drug manufacturers—to refer to the files in support of new-drug applications.

With an obvious allusion to flavoring compounds, the agency went on to say that some producers regard the information contained in the master files as trade secrets and ask FDA to treat such matter as confidential. While the agency said it will keep such data under wraps "to the extent that it may properly do so," FDA said there are certain circumstances when it cannot deny such information.

"Because the applicant is legally responsible for the composition of the new drug and all its ingredients and may require information in the master file for judicial or administrative proceedings concerning the drug," the agency explained, "the Food and Drug Administration will not withhold such information from the applicant when his need for it arises and he submits a written request for it."

Druggists' Narcotic Rules Measure Altered in Senate

Then senate passed and sent back to the house an amended bill which relaxes the restrictions on druggists in the filing of narcotic-containing prescriptions. The proposed new law gives the Secretary of the Treasury authority, upon consultation with the Surgeon-General, to permit druggists to take prescriptions over the telephone from physicians and "other practitioners" if the narcotic ingredient possesses little or no addiction liability.

Under present law, prescriptions containing narcotics cannot be filled by a druggist unless signed by a licensed physician. The legislation, which has the stamp of approval of all interested government agencies, adds osteopaths, podiatrists and "other practitioners" to the list of persons permitted "to dispense, prescribe and distribute narcotic drugs."

Labeling Law in N. Y. Is Effective This Week

New York State gets a new set of chemical labeling regulations this week. Drawn up with the help of the Manufacturing Chemists' Association and the Chemical Specialties Manufacturers Association, the new rules take effect August 26 in upstate New York and August 27 in New York City.

Based on MCA principles, the New York regulations are the fourth such state statutes to incorporate the association's ideas on chemical labeling. Others are Oregon, California and Illinois, which enacted MCA-based rules in 1948, 1949 and 1951, respectively. However, the earliest convert to the MCA labeling approach was Hawaii, which adopted association rules in 1947.

Revisions by Oregon, California

Two of the states—Oregon and California—have made some revisions in their labeling laws, but in both cases the changes have only served to bring the statutes into closer conformity with MCA principles. For example, California, in setting up its law in 1949, took its cue from MCA's labels and precautionary information committee and adopted some 114 association warning labels. This June, again taking the lead from MCA, California brought its label list up to date and expanded the number to 205.

Bible of MCA labeling policy is its manual L-1, "Warning Labels—A Guide for the Preparation of Warning Labels for Hazardous Chemicals," which was revised for the third time last year. Broken down into three major parts, the manual contains a statement of principles, a group of illustrative warning labels for industrial chemicals and a series of labels for economic poisons. Primarily, it is part I of the manual—the statement of principles—which has gained wide acceptance.

Requirements in New York

In New York, all the new rules do "is to require that the hazardous nature of any chemical substance be explained prominently in the simplest possible language so that anyone handling or emptying a container will be fully informed as to the properties of the material." So pointed out R. D. Minteer, chairman of the association's labeling committee, last week.

MCA's sole interest, in lending New York a hand with the preparation of its code, was "uniformity," he explained. "We felt that manufacturers and shippers of chemical substances had been labeling industrial containers in conformity with the principles of the MCA labeling committee as set forth in manual L-1 and that there

—*Continued on page 54*

Fluorspar Industry Probe Begun by Tariff Commission

Acting on a resolution adopted by the senate finance committee, the tariff Commission last week launched an investigation into the domestic flourspar industry. The commission must report back to the senate committee with its findings.

The commission's report must include all data relating to fluorspar production, trade, imports and consumption in this country. All factors bearing on the domestic economy, such as the interests of consumers, processors, and producers, a comparison of wage rates in the United States and abroad, transportation costs to the principal consuming centers, and other factors bearing on production and distribution costs, must also be taken into account. The report is also to include a statement of findings as to the effect on the competitive position of the domestic fluorspar industry of the present tariff status of imported fluorspar.

The commission will hold public hearings beginning October 19 at 10 a.m., EST, in the hearing room of the Tariff Commission building in Washington, D. C. Anyone wishing to testify at the hearings should notify the commission's secretary in advance of the hearings.

FTC Won't Write Wax Rules

Federal Trade Commission last week announced that it has terminated the trade practice conference proceedings for the floor wax and floor polish industry without the promulgation of rules. FTC attributed the action to lack of sufficient interest on the part of the industry.

Chemical Industry Help Is Sought By Gov't on Technical Problems

Chemical industry help is being sought by the government in the solution of some key technical problems confronting the armed services.

The kind of help needed by the government is detailed in "Technical Problems Affecting National Defense," a new publication compiled by the National Inventors Council of the Department of Commerce. The list contains some seventy new problems of all kinds, along with 130 carried over from previous lists.

The council was founded in 1940 to serve in the Department of Commerce as a clearinghouse for ideas, suggestions, inventions and developments that might be useful to the armed services in the war effort. Typical of the chemical problems that need solving is a liquid that will return a scratched and hazy acrylic plastic surface to its original clear state. Quick-cure casting resins and high-temperature molding compounds are also sought. The government is likewise on the lookout for a soil-stabilizing additive.

Among the new chemical problems faced by the armed forces, along with comments by the council, follow:—

Electrochemical Stability—Develop a method of achieving electrochemical stability of semi-conductor surfaces especially in the case of germanium and silicon.

Casting Resins—Potting or casting plastic compounds for protecting electronic components or sub-assemblies. Such compounds are required to have low viscosity at relatively low temperatures, should set up and cure quickly with a minimum cracking over a wide temperature range (minus 55 degrees Centigrade to plus 200 degrees Centigrade).

High Temperature Molding Compound—Molding compound having resistance to high temperatures (200 degrees Centigrade), low dielectric loss, and good mechanical properties. The material will be a plastic, preferably thermosetting, with good dimensional stability, and a short molding cycle.

Improved Elastomers—Development of improved elastomers to provide greater resistance to abrasion and increased resistance to cutting and chipping for use in tank track blocks.

Soil Additive—There is a need for a material which, in limited quantities, will solidify soils, so as to reduce the requirements for landing mats and temporary

—*Continued on page 57*

APhA's Biggest Parley Taking Place in Boston

The largest convention in the history of the American Pharmaceutical Association was well under way in Boston today, and is slated to continue through Friday. The convention will include meetings of the National Association of Boards of Pharmacy, the American Society of Hospital Pharmacists, and the American College of Apothecaries.

The highlights of the association's first general session, which will be held on the evening of August 24, will be the annual address of the president, F. Roy Franzoni; a tribute delivered to the National Association of Boards of Pharmacy on the fiftieth anniversary of its founding, by Dr. Robert L. Swain; and the award of the 1953 National Pharmacy Week plaques and certificates of merit by Bert R. Mull, chairman of the 1953 National Pharmacy Week Committee.

The second general session, set for the morning of August 26, will feature the following addresses:—"Smoking and Death Rates," by Dr. E. Cuyler Hammond, director of statistical research of the American Cancer Society; "The Impact of Recent Court Decisions on the Practice of Pharmacy," by Joseph H. Stamler, member of the bar of the State of New Jersey; "The Role of the Pharmacist in the Army," by Col. Bernard Aabel of the Medical Service Corps; and "The National Pharmaceutical Council," by Dr. Theodore Klumpp, president of that organization. Also to be heard at this session will be Newell Stewart, president-elect of the APhA.

This second general session will also feature the awarding of the Ebert prize to Dr. Takeru Higuchi, a member of the faculty of the college of pharmacy of the University of Wisconsin; the awarding of the Frederick B. Kilmer prize to Dolores Ann Strittmatter, a senior student at the college of pharmacy of the University of Arizona, who was selected for this award as the result of outstanding research in the field of pharmacognosy; and the awarding of the Chilean Iodine Educational Bureau, prize to Dr. Jack Gross, a member of the faculty of the State University of New York, college of medicine, for the most productive research on the pharmacology of iodine.

The third general session, to be held on the evening of August 27, will feature the annual report of the women's auxili-

—Continued on page 55

Census Plans Detailed For Business, Industry

The Bureau of Census Friday afternoon divulged plans for Censuses of Business, Manufactures, and Mineral Industries for which congress earlier had appropriated $8,430,000. The censuses, which will be conducted by mail canvass early next year, will cover operations of these establishments during 1954.

The Census of Business will cover about 2,750,000 retail, wholesale, and service establishments, collecting data on the number of such establishments, sales, employees and payrolls by kinds of business for each state, country, and places of 2,500 or more population, as well as data on inventories, credits and other subjects. This census was first taken for 1929 and most recently for 1948.

The Census of Manufactures will cover operations of nearly 300,000 manufacturing establishments and will report on production of commodities, employment, payrolls, value added by manufacture, consumption of fuel, power, materials and other important items for more than 450 industries. Statistics will be compiled for states, counties and cities of 10,000 and more population. This census was first taken for 1809 and most recently for 1947.

The Census of Mineral Industries will cover the operations of about 35,000 establishments engaged in mining, petroleum production and quarrying. In addition to output data, statistics will be compiled on employment, payrolls, fuel and power consumption and other items, and will be published for states and all counties with important mineral industries. This census was first taken for 1839 and most recently for 1939.

GR-S Sales for November Are Seen at 43,000 Tons

The Federal Facilities Corporation announced last week that sales of GR-S synthetic rubber for the month of November will be about 43,000 long tons. Production during November will be approximately 40,500 long tons. Inventory of GR-S, including oil, held by FFC as of July 21 of this year was approximately 82,000 long tons.

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Army Atomic Power Plant To Be Built at Fort Belvoir

Fort Belvoir, Va., has been chosen as the site for an experimental, full-scale but small nuclear power plant to be designed and built pointly by the Army Corps of Engineers and the Atomic Energy Commission, the Department of Defense and AEC announced August 20. The plant is the prototype of a "package" for transportable power reactor which is being developed for use at remote bases, eliminating the need to transport bulky conventional fuels.

The reactor, a "pressurized-water" type, will be built within the exclusion area of the Engineer Research and Development Laboratories and will be constructed with provisions to eliminate any hazard to nearby communities. The plant, with a capacity of approximately 1,700 kilowatts of electricity, will be built of components transportable by air. Succeeding plants for remote bases are expected to produce heat for space heating in addition to electricity. The model will provide construction, operation, and maintenance data and will demonstrate capabilities and limitations of such a plant.

Cyanamid Research Posts Go to Drs. Paden, Scalera

The research division of American Cyanamid Company, New York, has named Dr. J. H. Paden director of laboratories and Dr. Mario Scalera director of research at its Bound Brook, N. J., laboratories. Dr. Paden, who has been with Cyanamid since 1937, began as a research chemist at the research laboratories at Stamford, Conn. He was named group leader in 1942. In 1950 he became director of the laboratories' research department, a post he held until his present appointment.

Dr. Scalera has been with Cyanamid since 1935, beginning as a research chemist at Bound Brook. In 1939 he was named group leader in charge of vat dye research, and became sectional director in charge of vat dye pigment research in 1943. Five years later he was promoted to assistant director of research in charge of dyes, pigments and intermediates research.

Int'l Nickel Sets Up Four New Units, Shifts Personnel

The establishment of four new sections and other changes in the development and research division of International Nickel Company, New York, have been announced by F. L. LaQue, vice-president and manager of the division.

The new sections are: Constructional alloy steels, with H. V. Beasley in charge; electroplating, with Clarence H. Sample in charge; Inco nickel alloys development, with T. E. Kihlgren in charge; and stainless steel and heat-resistant alloys, with Dr. V. N. Krivobok in charge.

W. Z. Friend has been appointed to succeed Mr. LaQue in charge of the corrosion engineering section. Dr. T. P. May and H. T. Paterson have been appointed technical manager and operational manager, respectively, of the "Kure Beach" corrosion testing station near Wilmington, N. C., and W. H. Sparr, jr., has been appointed to succeed Mr. Beasley in charge of the technical field section in Pittsburgh, Pa.

Silicon Carbide Bill Among Those Sent to Eisenhower

Rushing to adjournment, the house last week cleared for the President's signature several bills of interest to the chemical industry. Approval was given to H. R. 8628, continuing indefinitely the free importation of crude silicon carbide. Also cleared was H. R. 10009, a bill providing for the review of customs tariff schedules, improved procedures for the tariff classification of unenumerated articles and the repeal or amendment of obsolete provisions in the customs law.

Manganese Stockpile Policy Of ODM Brings on Attack

The Office of Defense Mobilization was attacked on the senate floor last week for its failure to disclose its program for the stockpiling of manganese. In what he admitted frankly was an effort to "wake up the head of ODM," Sen. Barry Goldwater of Arizona called upon the agency to make up its mind whether or not the government intends to go ahead with such a program. If so, he added, details of the plan should be spelled out for the public.

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Prices Index Advances

In a reversal of the trend of recent weeks, the overall OPD index advanced 0.14 point last week. Indices in all markets were higher, with the oils, fats and waxes market taking the lead. Included among advances in that market were greases, lard, soybean meal, tallow, Japan wax and corn, cottonseed, menhaden, peanut, safflower and soybean oils. Reductions included tallow and stearic acids, linseed meal, carnauba wax and coconut, tung and oiticica oils. The heavy chemicals market was next in order of index changes with an advance in salt cake and a reduction in stannic oxide noted. The agricultural chemicals market was higher, with dried blood, New York, and nitrogenous process tankage advanced.

The essential oils market was considerably active last week although index change was slight, with advances and decreases almost cancelling each other. Essential oils which were higher included bois de rose, citronella, ocotea cymbarum and lemongrass oils. Spearmint and wormseed oils were reduced. In the seeds and spices section of that market cinnamon, red pepper, Jamaica pimento and poppy seeds were stronger. Price changes in the drugs, fine chemicals, botanicals market were all upward last week. Belladonna leaves advanced sharply, while Hungarian chamomile flowers, ipecac root, Spanish saffron and Brazilian menthol were also higher.

Prices Advanced

Belladonna leaves, 7c. per lb. (51).
Cardamom seed, bleached, medium, 15c. per lb. (58).
Chamomile flowers, Hungarian, 5c. per lb. (51).
Chlorinated rubber, 125-1,000 cps., 5c. per lb. (61).
Cinnamon, Ceylon, #2, 2c. per lb. (58).
Cocoa butter, 10c. per lb. (64).
Dried blood, New York, 25c. per unit of ammonia (41).
Greases, ⅛c. to ¾c. per lb. (64).
Ipecac root, 50c. per lb. (51).
Lard, 1½c. per lb. (64).
Mace, Siauw, #1, 1c. per lb. (58).
Menthol, Brazilian, 25c. per lb. (51).
Nitrogenous process tankage, 15c. per unit of ammonia (41).
Oil, bois de rose, 15c. per lb. (58).
Citronella, Ceylon, 10c. per lb. (58).
Java type, 5c. per lb.
Corn, crude, ¼c. per lb. (64).
refd., ¼c. per lb.
Cottonseed, crude, ⅜c. per lb. (64).
refd., ¼c. per lb.
Lemongrass, 10c. per lb. (58).
Menhaden, crude, ¼c. per lb. (64).
Ocotea cymbarum, 10c. per lb. (58).
Peanut, crude, ⅛c. per lb. (64).
refd., 1c. per lb.
Safflower, 6/10c. per lb. (64).
Soybean, crude, ⅜c. per lb. (64).
refd., ⅜c. per lb.
Pepper, red, Japanese, birdseyes, 4c. per lb. (58).
Mombasa, 5c. per lb.
Turkish, 1c. per lb.
Pimento, Jamaica, 2c. per lb. (58).
Saffron, Spanish, $1 per lb. (51).
Sage leaves, Dalmatian, 2c. per lb. (58).
Salt cake, $12 per ton (34).
Soybean meal, $4 per ton (64).
Tallow, ¼c. per lb. (64).
Wax, Japan, 2c. per lb. (64).

Prices Reduced

Acid, stearic, ½c. per lb. (64).
Tallow, hydrog., ¾c. to 2½c. per lb.
Cardamom seed, bleached, A, 10c. per lb. (58).
decorticated, Guatemalan, 5c. per lb.
Copra, $2.50 per ton.
Cottonseed meal, $1 per ton (64).
Oil, coconut, crude, ½c. per lb. (64).
Oiticica, ¼c. per lb. (64).
Spearmint, 35c. per lb. (58).
Tung, ¼c. per lb. (64).
Wormseed, 15c. per lb. (58).
Stannic oxide, 4½c. per lb. (34).
Thyme leaves, French, 1c. per lb. (58).
Wax, carnauba, crude, #3, 2c. per lb. (64).
refd., 2c. per lb.
Yellow, #1, 2c. per lb.
Ouricury, 2c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

August 19, 1954	August 13, 1954	August 21, 1953
106.99	106.85	106.00

Antitrust Case Dispositions At Highest Point in 1954

Government pressure to clear up the backlog of antitrust cases is past its peak, assistant Attorney General Stanley N. Barnes declared last week. Mr. Barnes, who heads the antitrust division in the Department of Justice, told an American Bar Association meeting in Chicago that forty-eight civil actions and eighteen criminal actions were terminated by his division during fiscal 1954.

This, he pointed out, was nearly twice as many as in 1953, and more than double the number terminated in 1952. "In fact," he went on, "the last fiscal year saw the second highest record of dispositions in the history of antitrust enforcement."

In a breakdown of the division's showing, Mr. Barnes said that thirty-two of the forty-eight civil cases terminated were disposed of via the consent decree route. Twelve civil cases were disposed of by litigation, with the government winning six and loosing a like number. Seventeen criminal cases were disposed of by the entering of no defense pleas or pleas of guilty.

Coaltar Dye Defended For Food, Drug Usage

A vice-president of Eli Lilly & Co., Indianapolis, Ind., has defended the use of a coaltar dye, FD&C orange No. 1, in coloring foods and drugs. Speaking August 17 before the Food, Drug and Cosmetic Law Division of the American Bar Association in Chicago, W. M. Wheeler, jr., suggested that Food and Drug Administration approval of such use of the dye should not be withdrawn.

The Health, Education and Welfare Department is studying a report by an FDA pharmacologist concerning an experiment in which the dye was given to laboratory animals in various concentrations, with the highest concentration proving to be toxic. The FDA ordered the investigation, Mr. Wheeler pointed out, when a child was reported to have developed a stomach ache after eating Hallowe'en candy containing the dye. Secretary Olveta Culp Hobby is expected to issue an order soon concerning use of the dye in foods and drugs.

Concentration the Key

Mr. Wheeler, who is also Lilly's general counsel, told the lawyers that the FDA pharmacologist had expressed the opinion that FD&C Orange No. 1 "is not a harmless coaltar color." But Mr. Wheeler objected that the concentration of the dye in the Hallowe'en candy was shown to exceed that normally found in food. He also pointed out that the amount of dye taken in an average daily dose of medicine would be "only an infinitesimal fraction" of the amount which was harmless to animals in the FDA pharmacology tests.

The Indianapolis attorney argued that the safety of a substance is related to the concentration used. "In all pharmacological studies," he pointed out, "quantities or concentrations of the tested substance are increased until the test animals show injurious results. Dangerous doses, quantities, or concentrations are thus determined. By comparing the results . . . questions of safety and toxicity are determined."

Mr. Wheeler said that before Secretary Hobby took such a step as limiting the use of FD&C Orange No. 1 to external preparations "more evidence than a mere Hallowe'en stomach ache and pharmacological studies conducted with no apparent reference to customary conditions of use" should be offered.

Nuclear Power Co. Started; Dean Is Chairman of Board

Gordon Dean, former chairman of the Atomic Energy Commission, announced last week the formation of Nuclear Science & Engineering Corporation in Pittsburgh, Pa. Mr. Dean is chairman of the board of directors of the new company. American Metal Company, Ltd., and Ketay Manufacturing Corporation, with Lehman Brothers, investment bankers, participated in the creation of the new enterprise.

According to Mr. Dean, Nuclear Science & Engineering Corporation is the first company of its kind in the atomic energy field. It is intended to provide a variety of technical services to firms engaged in nuclear power development and to industries interested in the application of radioactivity to industrial products and processes. The new service company will supplement two growing groups of enterprises already in the nuclear field—those engaged in nuclear reactor design and engineering, and those which manufacture radiation detection instruments.

American Metal Company, Ltd., and Ketay Manufacturing Corporation have subscribed to a substantial portion of the capital stock of the new corporation, ac-

—Continued on page 70

Ammonium Sulfate Imports Planned This Year by India

The Indian government plans to import "reasonable quantities" of ammonium sulfate this year, according to reports received by the Department of Commerce. While the exact quantity to be imported is not definitely known, it is believed that the Indian government is thinking in terms of around 100,000 long tons.

India has not imported ammonium sulfate in large quantities since 1950, when the United States shipped 127,570 tons. In 1951 India's Sindri fertilizer factory went into production. Indian imports of ammonium sulfate fell to 19,948 tons in the year ended March 31, 1953, then rose to 69,525 tons in the year ended March 31, 1954. Since 1951 the Netherlands has been the principal foreign supplier of ammonium sulfate and imports from the United States have virtually come to a standstill.

Witco Senior Vice-Pres.

Joseph J. Tumpeer has been appointed senior vice-president of Witco Chemical Company, New York, directing its Pioneer Asphalt Division. Mr. Tumpeer has been affiliated with Witco since 1921. He served initially in the Chicago office, and later was appointed vice-president and general manager of the Pioneer Asphalt Division, which has plants at Perthy Amboy, N. J., and Lawrenceville, Ill. Mr. Tumpeer occupies offices at Witco's New York headquarters.

DuPont to Build Pigment, Electrochemical Laboratory

Plans for construction of a $2,550,000 laboratory building, in Wilmington, Del., for long-range and fundamental research by the electrochemicals and pigments departments have been announced by E. I. duPont de Nemours & Co. Facilities for each department will be provided in separate wings of the building, which is being shared for reasons of economy.

The new laboratory project will provide about fifty scientists of the pigments and electrochemicals departments with additional space and the newest in facilities for research. Some research now being conducted at the electrochemicals department plant at Niagara Falls, N. Y., will be transferred to the new laboratory, thus making available space needed for research at Niagara Falls.

Electrochemicals' research men will pursue at the new laboratory a program that includes scouting work on new products for the metals, textile, and paper industries; new venture studies based on important industrial needs; and fundamental studies of major existing products of the department.

The pigments department plans to transfer scientists from the crowded laboratory at Newport, Del., to join those now using temporary space at the experimental station, Wilmington. Substantial research, including titanium metal studies, will remain at Newport, while new pigment color studies will be continued at Newark, N. J., where a new research laboratory is under construction. Site preparation for the new building will start imediately with completion scheduled for the end of 1955.

Warwick Appoints Gower General Manager of Sales

Albert H. Gower has been appointed general sales manager of Warwick Chemical Company, a division of Sun Chemical Corporation, Long Island City, N. Y. Mr. Gower will direct the sales activities of each of the firm's product groups comprising lines of textile chemicals, pigment printing colors, plastic dispersions, industrial surfactants and metallic soaps.

A chemist by training, Mr. Gower has been engaged in technical sales management activiities in such diversified fields as the adhesives, electrical, metal, paint, petroleum, plastcs, rubber and textile industries. For the last ten years, he has handled various sales functions in the industrial chemicals division of American Cyanamid Company.

Albert H. Gower

Prior to joining American Cyanamid, Mr. Gower was manager of technical sales and market development of the chemical division of the Connecticut Hard Rubber Company. From 1936 to 1944 he was on the chemical engineering faculty of Michigan State College, combining consulting in the chemical engineering field with his teaching during this time. Mr. Gower was also associated with Atlantic Research Associates, Inc., Newtonville, Mass., where he operated a pilot plant for "Aralac" casein fiber and later acted as a consultant on casein fiber development.

Polystyrene to Be Produced By Dow, Scotch Company

Formation of a new associated company to manufacture "Styron," Dow's polystyrene plastic for molders in the British Isles, has been announced by Dr. Leland I. Doan, president of Dow Chemical Company, Midland, Mich. The company, incorporated as Distrene, Ltd., is jointly owned by Dow and Distillers Company, Ltd., Edinburgh, Scotland. Dr. Doan said the firm, in which Dow has a 45 percent interest, will build a plant at Barry, South Wales. Production of "Styron" is expected to start the latter part of 1955.

The plant will produce two forms of "Styron" — general purpose molding granules ("Styron 666") and high impact strength granules ("Styron 475") for molders who manufacture a wide variety of products.

Titanium Expansion Set by Glidden

Glidden Company, Cleveland, Ohio, last week announced plans to build a pilot plant to make titanium metal by a new electrolytic process and a plant to make titanium dioxide at the rate of 12,000 tons a year. Both installations will be built at Sparrows Point, Md.

The cost of the new facilities will be about $12,000,000, it was stated by Adrian D. Joyce, chairman of the board of Glidden. Construction will begin September 1 and production is expected by the middle of next year.

The new pilot plant for production of the metal will make use of a electrolytic and electronic process which has been worked out in Glidden's laboratory at St. Helena, Md. It is hoped that production costs can be reduced, Mr. Joyce stated. If the pilot plant operation proves successful, Glidden's plans call for spending $8,000,000 on additional facilities by 1956, and later spending $30,000,000 for a titanium metal plant.

Glidden's future expansion in titanium dioxide production will involve spending $8,000,000 by 1956, in addition to present $12,000,000 for the Sparrows Paint facilities. When this program has been completed, Glidden expects to be able to produce 30,000 tons of titanium dioxide a year, or three times its present capacity, and about 25 percent of the industry's current capacity. Glidden has spent $10,000,000 in recent years to produce titanium dioxide in Baltimore, Md., and has brought its production up to 10,000 tons a year, it was pointed out.

Ilmenite for the new plants will be obtained from Quebec Iron & Titanium Corporation, Quebec, Canada, a company owned jointly by New Jersey Zinc Company and Kennecott Copper Corporation. Glidden has contracted to buy 30,000 tons a year from this source. In addition, Glidden will continue to obtain ilmenite from its own properties in North Carolina. Financing for the entire expansion program just announced will be accomplished without government aid, Mr. Joyce stated.

All of the output of its titanium dioxide facilities the company has earmarked for the paint and linoleum industries, Mr. Joyce declared. However, if the pilot plant is successful, part of the titanium dioxide output will be channeled into the production of metal, it was said. Glidden hopes that it will be able to cut the cost of producing the metal, which at present, Mr. Joyce stated, is too expensive for large industrial use.

FTC Chairman Tells Of Gains in 16 Months

During the past sixteen months the Federal Trade Commission has gotten back to "first principles," has bolstered its compliance and enforcement program, has made a "full-fledged attack on delay" and has taken steps to eliminate "agency overlap and duplication of activity." So reported FTC chairman Edward F. Howrey to a meeting of the American Bar Association's antitrust law section in Chicago last week.

In his discussion of the commission's "return to first principles," Mr. Howrey referred to the congressional intent that the agency be "a body of experts competent to deal with complex competitive practices 'by reason of information, experience and careful study of business and economic conditions'" and that it "deal with unfair competitive methods in their incipient stages."

FTC Original Purpose Told

FTC's purpose, he explained, was "prevention of diseased business conditions." Congress felt, he went on, that a commission setup "would be well suited to deal with the difficulty problems of industries and markets," problems, he added, "which congress was unable to solve and which it considered too burdensome for the courts to solve without assistance." Noting that FTC has been under fire for not carrying out this role, Mr. Howrey listed six ways in which the commission has now geared itself to the responsibilities originally contemplated by congress.

"First and foremost," he said, "the decisional work of the commission is ample evidence . . . of a return to first principles." FTC's bureau of economics is being revitalized, he pointed out, adding that major stress in the bureau "is being placed upon those practices that have significance in the market place." He went on to note that he, as chairman, has taken the position that FTC should not further extend the "per se doctrine." "Except where the courts and congress have directed otherwise," he declared, "the commission should determine competitive effects by examination, analysis and evaluation of relevant market facts."

Fact-Finding Improvements Cited

He also cited "improvements that have taken place in the fact-finding and decisional work of the commission," noting, too, that FTC has "adopted the view that it should proceed against 'hard-core,' predatory violations of antitrust laws and should forego cases of doubtful validity and questionable economic consequence." Finally, he called attention to the commission's broad-gauge study of its rules of practice.

The increased tempo of the enforcement program, he said, is evident from the naming of an advisory committee on cost justification, improved investigative work and adoption of a "broad-scale compliance program." Among other things cited by the FTC chairman in his progress report was the "very promising inter-agency agreement designed to correlate the work of the commission and the Food and Drug Administration in such a way as to eliminate overlapping activities and duplication of effort."

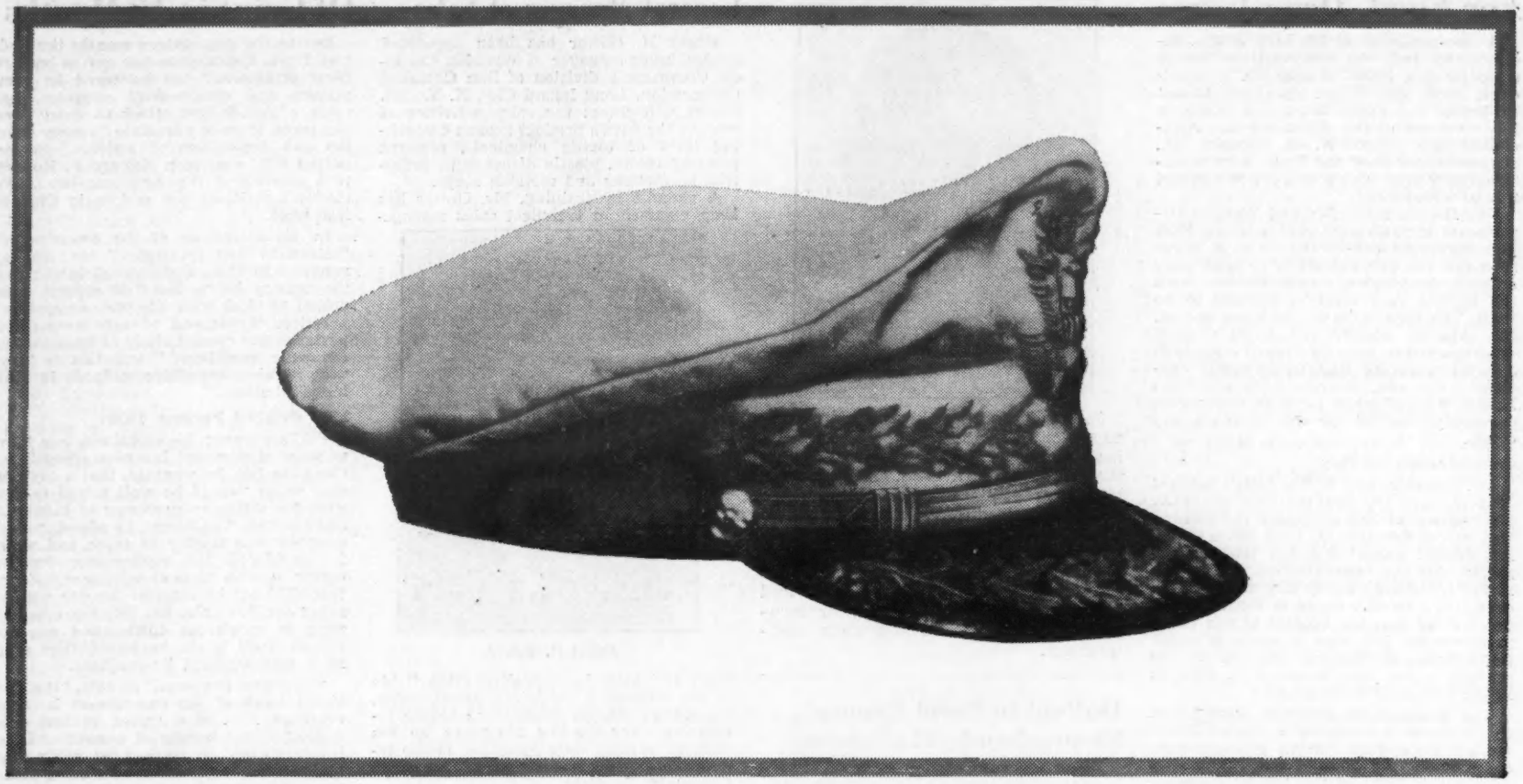
Carbide & Carbon Picks Biological Research Head

Carbide & Carbon Chemicals Company, New York, a division of Union Carbide & Carbon Corporation, has appointed Dr. D. M. Yoder head of the biological research department. Dr. Yoder will be responsible for research work on the company's line of "Crag" agricultural chemicals.

Since 1950 Dr. Yoder has worked on the research and development of various agricultural chemicals including Carbide's "Crag-Herbicide-1" and "Crag Fruit Fungicide 341." Most recently, he had been senior research fellow on Carbide's agricultural research fellowship at Boyce Thompson Institute for Plant Research.

Zinc Properties Purchase Announced by Eagle-Picher

Eagle-Picher Company, Cincinnati, Ohio, has purchased from Calumet & Hecla, Inc., Calumet, Mich., its zinc properties in the Wisconsin-Illinois field, comprising leaseholds on approximately 3,650 acres of land, as well as a mill, supplies and materials. Calumet & Hecla has operated these properties continuously since 1948, when they were acquired from a development subsidiary. The acquisition will more than double Eagle-Picher's zinc ore reserves in the Wisconsin-Illinois area.



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Association Meetings

This Week

American Pharmaceutical Association, Statler hotel, Boston, August 22-27.

American Association of Textile Chemists and Colorists, national convention, Atlanta Biltmore hotel, Atlanta, Ga., September 15-18.

American Chemical Society, national meeting, Statler hotel, New York, September 12-17; Chicago section, national chemical exposition, Chicago Coliseum, October 12-15; Dallas-Fort Worth, Tex., section, southwest regional meeting, Fort Worth, December 2-4.

American Council of Commercial Laboratories, annual meeting, Roosevelt hotel, New Orleans, La., November 3-6.

American Institute of Chemical Engineers, national meeting, Colorado hotel, Glenwood Springs, Colo., September 12-16; annual meeting Statler hotel, New York, December 12-15.

American Oil Chemists' Society, fall meeting, Radisson hotel, Minneapolis, Minn., October 11-13.

American Petroleum Institute, Conrad Hilton hotel and Palmer House, Chicago, November 8-11.

American Pharmaceutical Manufacturers' Association, combined midyear and eastern section meeting, Waldorf-Astoria hotel, New York, December 6-8.

American Soybean Association and National Soybean Processors Association, combined conventions, Peabody hotel, Memphis, Tenn., August 31-September 2.

American Tung Oil Association, annual convention, Buena Vista hotel, Biloxi, Miss., September 23-24.

Association of Consulting Chemists and Chemical Engineers, annual meeting, symposium, Belmont Plaza hotel, New York, October 26.

Chemical and Plastic Industries Equipment Salon, Parc des Expositions, Paris, France, December 2-12.

Chemical Market Research Association, fall resort meeting, Equinox House, Manchester, Vt., September 20-21; Book-Cadillac hotel, Detroit, Mich., November 17.

Chemical Specialties Manufacturers Association, annual meeting, New Yorker hotel, New York, September 12; Bedford Springs hotel, Bedford Pa., October 7-8.

Combined Pharmaceutical Contact Committee of ADMA and APMA, fall meeting, Sheraton-Park hotel, Washington, D. C., November 9-10.

Commercial Chemical Development Association, dinner meeting, Statler hotel, New York, September 12.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Pocono Manor Inn, Pocono Manor, Pa., September 23-25.

Federal Wholesale Druggists' Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 19-22.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 18-20.

International Congress of Industrial Chemistry, Brussels, Belgium, September 11-19.

Magnesium Association, annual meeting, Chase hotel, St. Louis, Mo., November 15-17.

National Agricultural Chemicals Association, annual meeting, Essex and Sussex hotel, Spring Lake, N. J., September 8-10.

National Association of Retail Druggists, annual convention, Houston, Tex., October 10-14.

National Chemical Exposition, Chicago Coliseum, Chicago, October 12-15.

National Fertilizer Association, southern convention, Hollywood Beach hotel, Hollywood, Fla., November 10-12.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, November 15-17.

National Paint, Varnish and Lacquer Association, annual meeting, Palmer House, Chicago, November 15-17

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, N. J., September 15-17.

National Safety Congress and Exposition, chemical section, Chicago, October 18-22.

National Wholesale Druggists Association, annual meeting, Hollywood Beach hotel, Hollywood, Fla., November 13-18

Packaging Institute, annual forum, Roosevelt hotel, New York, October 25-27.

Parenteral Drug Association, annual meeting, Barbizon-Plaza hotel, New York, October 20-22.

Plastics in Building Conference, sponsored by the Society of the Plastics Industry, the Manufacturing Chemists' Association, and the Building Research Advisory Board, National Academy of Sciences, Washington, D. C., October 27-28.

Salesmen's Association of the American Chemical Industry, third sales clinic, Commodore hotel, New York, October 11.

Society of Cosmetic Chemists, cosmetic seminar, New York Academy of Sciences, New York, September 23-24.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Commodore hotel, New York, September 8.

World Congress on Surface Active Agents, Sorbonne, Paris, France, August 30-September 3.

Oil Group Appoints Breed

Appointment of Robert W. Breed as senior district representative for the New England office of the Oil Industry Information Committee of the American Petroleum Institute has been announced. Mr. Breed for the past six years had been assistant manager of the convention and visitors bureau of the Greater Boston Chamber of Commerce. He succeeds Jacques Ellison, who resigned recently.

Fertilizer Div. of ACS Convenes Sept. 15-17

The division of fertilizer and soil chemistry of the American Chemical Society has announced final plans for its meeting September 15 through 17 in New York, to be held in conjunction with the American Chemical Society's national meeting.

Featured at the didvision's session on September 15 will be a fertilizer technology symposium with J. D. Romaine presiding. Papers to be presented are:—"Colorimetric Determination of Biuret" by G. C. Ellis and R. L. Formaini; "Sorption of Surface Active Agents from Aqueous Solution by Phosphate Rock" by E. J. Fox and W. A. Jackson; "Evaluation of Surfactants for Use in Fertilizer Manufacture" by F. A. Retzke, G. F. Sachsel and R. B. Filbert, jr.; "A Plant Scale Controlled Experiment Using Surface Active Agents in Mixing Fertilizer Manufacture" by W. J. Tucker; "Some Effects of Surface Active Agents in Mixed Fertilizers" by Rikic Kumagai and J. O. Hardesty; and "Drying of Ammoniated Superphosphates and Mixed Fertilizers" by G. L. Bridger and H. A. Burzlaff.

Bridger to Preside

The continuation of the fertilizer technology symposium scheduled for the morning of September 16 will be presided over by G. L. Bridger. The papers scheduled are:—"Surface Area of Natural and Processed Phosphates" by W. L. Hill, J. H. Caro and G. A. Wieczrek; "Effect of Particle Size Upon the Ammoniation of Superphosphates" by C. E. Waters, W. W. Arnold and W. H. Payne; "Pilot-Plant Production of Diammonium Phosphate Fertilizer from Wet-Process Phosphoric Acid" by E. C. Houston and L. D. Yates; "The Manufacture and Properties of Liquid Fertilizers" by P. G. Arvan and R. P. Langguth; and "Evolution of Revolution—Plant Food Research." A business meeting is also planned during the morning's meeting.

G. H. Serviss will preside over the general session on the afternoon of September 16. The papers planned are:—"Chemical Basis for Soil Testing" by J. Fielding Reed; "Essential Supplemental Tests for Soil and Plant Diagnosis" by J. B. Hester; "Difference in the Relative Response of Calcium Accumulating and Silicon Accumulating Crop Plants to Potash Fertilization" by H. P. Cooper; "Problems Relating to Trace Elements" by A. A. Nikitin and J. P. Goode; "Value of Leaching Frames in Fertilizer Usage" by J. B. Hester; "Less-Soluble Boron Compounds for Correcting Boron Nutritional Deficiencies," by N. R. Page and H. P. Cooper;

—*Continued on page 57*

Drug Wholesaler Sales Up In 1953, Census Reports

Total sales of all general and specialty-line drug wholesalers in the United States were estimated at $1,985,000,000 in 1953, the Bureau of the Census announced last week. Sales in 1953 were up 46.3 percent over the $1,357,000,000 recorded in the latest complete Census of Business Covering the Year 1948. During the same period, sales of retail "drug and proprietary stores" increased 19 percent. Sales of drug wholesalers last year were up 5.8 percent over 1952.

General-line drug wholesalers are distinguished from specialty-line houses in that the former sell a full line of drugs, pharmaceuticals, proprietary medicines, cosmetics, novelties, drug sundries and related merchandise, whereas specialty-line houses are primarily engaged in selling proprietary medicines, toilet preparations and articles such as perfumes, cosmetics, powders, shaving preparations, dentifrices, bandages, and antiseptics. Cooperatives and voluntary groups are included as general- or specialty-line houses according to breadth of lines and method of operation.

N.Y. AIC to Hear Kuhn At September 16 Meeting

Dr. Wayne E. Kuhn, general manager of the research and technical department of Texas Company will discuss "Professional Standards and Attitudes" as the principal speaker before the fall luncheon meeting of the New York Chapter of the American Institute of Chemists, to be held September 16, in the Brass Rail Restaurant, 100 Park avenue, New York. This luncheon will be held during the week of the national meeting of the American Chemical Society in New York.

Dr. John Kotrady, chairman of the New York chapter, will open the program. A message of welcome will be presented by Dr. E. J. Durham, of New York University, to be followed by Dr. Kuhn's talk.

Diamond Market Researcher

George Rieger has been named by Diamond Alkali Company, Cleveland, Ohio, to lead and coordinate market research activities of its recently-formed commercial development department. Mr. Rieger had previously been with Hercules Powder Company and Ethyl Corporation.

Nat'l Pharmaceutical Council Preparing an Advisory Unit

The National Pharmaceutical Council has received the assurances of leaders in medicine and pharmacy that they will serve on an advisory committee, which is to be activated shortly, according to [illegible], executive vice-president of the council. The committee's "studies will be based primarily upon a good, sound public relations program for the council to follow. The committee has been chosen to represent every phase of the pharmaceutical and medical professions. Their advice and recommendations will furnish so much material to be used by our public relations committee," Mr. Stewart explained at a recent meeting of the New Jersey Pharmaceutical Association.

At the same time Mr. Stewart reiterated the four main principles of the National Pharmaceutical Council. They are:—

1. To benefit public health by promoting the highest professional standards in the manufacture and distribution of prescription medication and other pharmaceutical products.

2. To benefit the pharmaceutical industry by promoting public relations programs on behalf of pharmacists and others in the industry.

3. To promote the interests of the public, physicians, pharmacists and others in the pharmaceutical industry by encouraging the highest standards of ethics and integrity in the manufacture, distribution and dispensing of prescription medication and other pharmaceutcal products.

4. To collect and disseminate information concerning laws, regulations and governmental agencies dealing with the manufacture and distribution of prescription medication and other pharmaceutical products as a contribution to the better understanding thereof in the public interest.

Packaging Machinery Makers Detail Sept. Convention Plans

The twenty-second annual meeting of the Packaging Machinery Manufacturers Institute, to be held at Grove Park Inn, Asheville, N. C., from September 11-14, is being headed by the following committee chairmen:—program, co-chairmen, Frank Zimmerman and R. L. Sears, Lynch Corporation; Golf, W. A. Scheurer, Exact Weight Scale Company; general activities, Carl E. Schaeffer, Stokes & Smith; entertainment, John B. Wilson, Wright Machinery Company; hospitality, Mr. and Mrs. Albert R. Stevens, Elgin Manufacturing Company, and ladies committee, Mrs. Laura Foreman.

The convention will convene at noon on September 11, and hold morning business sessions on September 12, 13 and 14, with afternoons free for sports and other activities. This meeting was originally scheduled for September 23 through 26, but the dates were advanced.

Pharmacy Week Oct. 3-9

The week of October 3 through 9 has been designated for the observance of National Pharmacy Week, an annual event, it has been announced by J. Warren Lansdowne, chairman of the committee on public relations of the American Pharmaceutical Association, sponsors of the week.

Druggists to Hear Talk By US Vice-President

Richard M. Nixon, vice-president of the United States, has accepted an invitation to address the annual convention of the National Association of Retail Druggists and will be the featured speaker at the event, it was announced last week by John W. Dargavel, executive secretary of the association. The convention, which will be held in Houston, Tex., from October 10 through 14, will hear Vice-president Nixon on the morning of the final day. The subject of Mr. Nixon's talk has not yet been disclosed.

"We are fortunate to secure Mr. Nixon as a speaker," Mr. Dargavel said, "as the vice-president is sympathetic to the views and problems of the small, independent businesses and retailers, of which drug stores and druggists comprise an important segment. Mr. Nixon, who was born in Yorba Linda, Cal., is familiar with the important role that the drugstore and the druggist play in the community life of the smaller towns."

The association's executive committee will meet on the afternoon of October 10. The formal opening of the drug show in the coliseum annex is scheduled for the morning of October 11. At noon on that day there will be a luncheon for members of the president's advisory committee and the association's officers, with a meeting of the officers and the committee members following.

Fair Trade Discussions

A joint conference of state, local and metropolitan city pharmaceutical association presidents and secretaries and members of the state fair trade committees is planned for the afternoon of October 11. There will be discussions on the program of the Bureau of Education on Fair Trade and on other matters that involve fair trade. Maurice Mermey, director of the bureau, will present the program. The president's reception and ball will be held on the night of October 11.

Allan Shivers, governor of Texas, and Roy Hofheinz, mayor of Houston, will welcome the delegates on the morning of October 12. M. M. Taliaferro, president of the Harris County (Texas) Pharmaceutical Society, which is host to the convention, will greet the conferees, and reports of the executive committee, the secretary, the treasurer, and the auditing committee will be made.

"Atomic Energy As Related to Medicine" is the title of a talk to be given by Rep. Carl T. Durham of North Carolina during the morning of October 12. A preliminary report of the credentials committee will be given during this session and selection of chairmen and members of the committees on resolutions and nominations will be made.

Addresses scheduled for the afternoon of October 12 are:—"How Important Is

—*Continued on page 50*

CMRA Selects Sept. 20-21 For Vermont Resort Parley

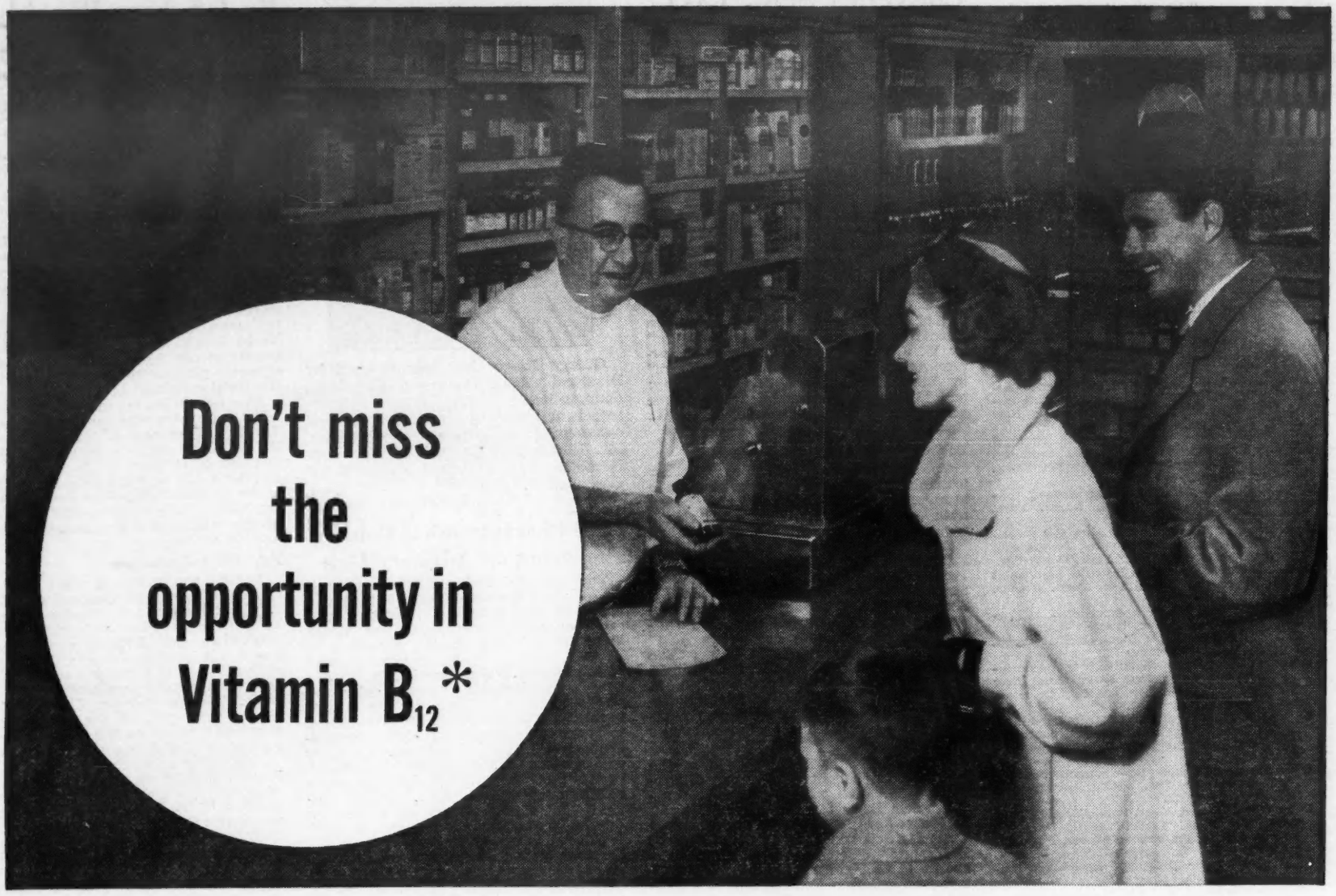
The Chemical Market Research Association has scheduled its annual resort meeting for September 20 and 21 at Equinox House, Manchester, Vt. The meeting will be preceded by a mixer and registration on September 19. Dr. Richard Chaddock, of Hercules Powder Company, is the general chairman of the meeting, and Richard Messing, of Arthur D. Little, Inc., is chairman of arrangements.

A panel session on September 20 will be devoted to the theme "Management Looks at Market Research." The topic of the following day's session will be "Reporting to Management." A golf tournament will be held on the afternoon of September 20 following a buffet lunch. There will be a social hour, a banquet and dancing on the evening of September 20. Members are invited to bring their wives.

Rheology Society Will Meet Nov. 3-5 in Washington, D.C.

The Society of Rheology has scheduled its annual meeting in Washington, D. C., for November 3 through 5. The technical sessions will be held at the National Bureau of Standards, and the headquarters hotel will be the Sheraton Park.

The four main groups of papers scheduled are:—Time dependent mechanical behavior of monomeric liquids, elastomers, plastics, glass and asphalts; statistical and molecular theories of liquids with particular regard to rheological processes; volumetric strain in monomeric liquids, glass, and organic polymers; and critical velocities and impact strength, anisotropy, and chemically induced relaxation of fibers. In addition, individual papers will be given on a variety of rheological topics.



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Through an expanded line of Vitamin B_{12} products, many manufacturers are enjoying increased profits. They are enhancing popularity of multivitamin and vitamin-mineral combinations by adding Vitamin B_{12}. They are supplying this vitamin in drops and syrups as dietary supplements. They are tapping new markets with high potency parenterals for neurologic disorders, and they are boosting sales of their present formulations by increasing the Vitamin B_{12} content.

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CRYSTALLINE VITAMIN B_{12} U.S.P. MERCK—Free-flowing, uniformly fine crystals, especially suitable for parenteral and oral solutions.

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As a further aid, Merck offers you valuable technical information and service in formulating and processing.

***The Food and Drug Administration states, "recent scientific evidence shows that these vitamins [vitamin B_{12} and folic acid] are needed in human nutrition," and that the disclaimer clause (The need in human nutrition not established) no longer is necessary. *Federal Register*, February 10, 1954, page 767.**

†*Cyanocobalamin is used here only in a chemical sense and not as a synonym for the U.S.P. product.*

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, August 20 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).
Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde 99% dms. c.l., frt. equald lb. .1250- .1435
l.c.l. frt. equald lb. .1350- .1535
tanks, frt equald lb. .1050- .1300
Acetaldol (see Aldol).
Acetanilide tech. bbls., c.l., dlvd lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP, bbls. 2,000-lb lots lb. .80 - —
smaller lots lb. .81 - .86
Acetic anhydride, dms., c.l., dlvd. E. lb. .15¼ - —
l.c.l., dlvd E lb. .17 - —
tanks, dlvd E lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .75 - —
l.c.l., dlvd. lb. .76 - —
Acetoacet-o-chloroanilide, fib., dms., c.l. dlvd lb. 1.27 - —
l.c.l., dlvd lb. 1.28 - —
Acetoacet-o-toluidide, fib., dms., c.l. dlvd lb. .78 - —
l.c.l. dlvd lb. .79 - —
Acetone, CP, dms., c.l., dlvd. lb. .10 - —
l.c.l., dlvd. lb. .11 - —
tanks, dlvd. lb. .08 - —
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidine, USP, bbls., works, frt. equald lb. 1.15 - 1.17
Acetophenone cns. dms lb. 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —
p-Acetylaminobenzaldehyde thiosemicarbazone, dms, frt. adjusted, lb. 17.50 - 21.00
N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85
Acetyltributyl citrate tech. dms., c.l., works lb. .33½ - —
l.c.l., works lb. .34½ - .38½
tanks, works lb. .32 - —
Acetyltriethyl citrate, tech., dms., c.l., works lb. .37½ - —
l.c.l., works lb. .38½ - —
tanks, works lb. .36 - —
Acid, abietic, coml., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490- —
cryst., dms. c.l. works lb. .06½ - —
l.c.l. works lb. .07 - .07½
Acetic, coml., or redist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls 100 lbs 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80%, bbls 100 lbs. 10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs. 15.00 - 16.00
tech., dms., c.l., dlvd 100 lbs. 10.50 - 12.00
l.c.l. same basis 100 lbs. 11.00 - 13.00
tanks, dlvd 100 lbs. 10.00 - —
USP cbys., inclusive, dlvd., 100 lbs. 24.00 - 25.00
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers, primary distrib., point of shipt., 1,000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (80 mesh), bbls., 1,000-lb. lots. lb. .55 - —
Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, fib. dms., works lb. .37 - .37½
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots, works, same basis lb. 2.55 - 2.60
p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50
Anthranilic, bbls., frt. equald lb. 1.21 - —
Arsenous, tech., (see Arsenic, white, USP (see Arsenic trioxide).
Ascorbic USP dms. 25-50 kilo lots. kilo. 21.00 - —
10-kilo lots kilo. 21.35 - —
5-kilo lots kilo. 21.75 - —
bots. 1-kilo lots kilo. 22.00 - —
500-gram lots kilo. 22.50 - —
Battery cbys c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45
Benzoic, tech. bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls. dms. 100-lb. lots or more lb. .54 - —
Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).
Betaoxynaphthoic (see Acid, b-Oxynaphthoic).
Boric, tech 99½%, cryst., bgs., c.l., works ton. 124.25 - —
ton lots, ex whse., N. Y. or Chi ton. 172.00 - —
smaller lots, same basis, ton. 177.00 - —
bbls., c.l., works ton. 146.75 - —
ton lots, ex whse., N. Y. or Chi ton. 196.50 - —
smaller lots, same basis, ton. 201.50 - —
gran., bgs., c.l., works ton. 99.25 - —
ton lots, ex whse., N. Y. or Chi ton. 147.00 - —
smaller lots, same basis, ton. 152.00 - —
bbls., c.l., works ton. 123.75 - —
ton lots, ex whse., N. Y. or Chi ton. 171.50 - —
smaller lots, same basis, ton. 176.50 - —
bulk, c.l., works ton. 94.25 - —
Acid, boric, tech., powd., bgs., c.l., works ton. 104.25 - —
ton lots, ex whse., N. Y. or Chi ton 152.00 - —
smaller lots same basis, ton 157.00 - —
bbls., c.l., works ton. 128.75 - —
ton lots, ex whse., N. Y. or Chi ton. 176.50 - —
smaller lots same basis, ton. 181.50 - —

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric acid $25 per ton higher.

Broenners, bbls lb. 1.76 - —
Butyric, 99%, dms., c.l., works, lb. .34 - —
l.c.l., works lb. .34½ - —
tankcars, works lb. .32¼ - —
Cacodylic, bots lb. 10.50 - 13.00
Camphoric, nat., dms lb. 4.00 - 4.75
syn., dms. lb. 4.00 - 4.75
Capric, dms lb. .26¼ - .28
Caprylic, dms lb. .29¾ - .31½
Cassella dms., 100% basis, frt., alld lb. 1.44 - 1.75
Castor oil, split, dms lb. .35½ - .36
Chicago, bbls., frt. alld lb. 3.21 - —
Chloroacetic, mono-, purified, flake, 99%, dms. lb. .23½ - .25½
tech., flake, 96-97%, frt. equald, dms lb. .20 - .21
o-Chlorobenzoic, fib. dms., works lb. 1.13 - —
p-Chlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Chlorosulfonic dms., c.l., frt. equald lb. .0465- —
l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —
Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.
Cholic, 100-lb. lots, fib. dms. lb. 6.00 - 6.25
Chromic 99¾%, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - .29
NF (see Chromium trioxide)
Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, USP, anhyd., gran., fine gran dms., c.l. lb. .28¾ - —
10,000-lb. lots, 1 shipt. lb. .29¼ - —
smaller lots lb. .29¾ - .31¼
hydrous, gran., fine gran., dms. c.l. lb. .27 - —
10,000-lb. lots, 1 shipt. lb. .27½ - —
smaller lots lb. 28 - .29½
Powdered citric acid ½c. higher.
Acid, Cleve's, mixed, bbls. lb. .79 - —
Coconut oil, dist., dms lb. .24¾ - .26½
tanks lb. .23 - —
dbl. dist., dms lb. .25½ - .27¼
tanks lb. .23¾ - —
Corn oil, dist., dms lb. .14¾ - .16½
tanks lb. .13 - —
Cottonseed oil, dist., dms lb. .13 - .14¼
tanks lb. .10½ - —
tanks lb. .11¼ - —
2,3-Cresotic, dms., ton lots, works. lb. .66 - —
smaller lots lb. 1.82 - 2.00
Cresylic, coaltar, dom., 50% 207°C or above ret dms. c.l., frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret., dms. c.l., same basis gal. 1.01 - —
l.c.l. same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
204° to 207°C., ret., dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal. 1.08 - —
non-ret., dms. c.l. same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —
tanks, same basis gal. .95 - —
imp. 75% at 215°C. or over, dms. ex whse gal. .75 - .90
petroleum, dom., 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —
200° C. to 222° C., tanks, Wilmington, Cal gal. .58 - .63
211° C. to 236° C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C. to 242° C., tanks, Wilmington, Cal gal. .50 - .53
245° C. to 298° C., tanks, Wilmington, Cal gal. .46 - —
Crotonic, fib. dms., c.l., 200 lbs. or more, works lb. .44 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Dehydrocholic, injection, fib. dms. 100-lb. lots lb. 14.75 - —
oral, fib. dms., 100-lb. lots lb. 10.25 - —
Desoxycholic, fib. dms, 100-lb. lots. lb. 15.00 - —
Dichlorophenoxyacetic (see under D' 2,4 D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Acid, 2-ethyl hexoic, dms., c.l., works lb. .35 - —
l.c.l., works lb. .35½ - —
tanks, works lb. .33½ - —
F, crude, paste, bbls., works lb. 2.10 - —
Folic, bots, fib. cns kilo-lots or more gram. 1.60 - —
Formic, 85%, cbys., c.l., works lb. .1570- —
l.c.l., works lb. .1620- .1720
90%, cbys., c.l., works lb. .1625- —
l.c.l. works lb. .1675- .1775
Fumaric, tech., bgs., dms lb. .27 - .28
Gallic, NF VII, bbls., 1,000-lb. lots. lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
technical, bbls., 1,000-lb lots lb. 1.58 - —
smaller lots lb. 1.69 - 1.78
Gamma dry, ground, bbls., frt. alld lb. 1.50 - —
paste, bbls., frt alld lb. 1.45 - —
Gentisic, 100-lb. fib. dms lb. 8.50 - —
Gluconic, tech., 50% bots lb. .25 - .35
cbys. lb. .19 - —
dms. lb. .15½ - —
l-Glutamic, 99½% fib. dms., 100 lb lots works lb 2.45 - 2.53
25-lb. lots, works lb. 2.54 - 2.60
Glycerophosphoric 50% dms., works lb. 2.25 - 2.35
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., works, 100% basis, lb. .82 - —
paste, bbls., works, 100% basis, lb. .80 - —
Hydriodic, 1.50 s.g., cbys lb 2.94 - —
1.70 s.g., cbys lb. 3.23 - —
Hydrobromic, medicinal, 48%, cbys dlvd E lb .37 - .43
Hydrochloric, anhyd. (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l. dlvd Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt equald ton. 28.00 - —
20° cbys., c.l., works 100 lbs. 2.60 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.00 - 4.00
tanks, works, frt. equald ton. 30.00 - —
22°, cbys c.l., works 100 lbs. 2.15 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.25 - 4.50
tanks, works, frt equald ton. 35.00 - —
CP, USP, consumers, cbys., extra c.l., works lb. .11¾ - —
l.c.l. same basis lb. 13¼ - 13¾
5-pint bots., extra, cs., c.l., same basis lb. 16¾ - —
l.c.l. same basis lb. 19¼ - —
Acid, hydrochloric, CP USP prices to dealers 1½c per lb less.
Hydrocyanic, cyls. frt. alld lb. .75 - 93
dilute NF 2% 5-lb bots lb 40 - —
Hydrofluoric, anhyd. (see Hydrogen fluoride).
tanks, works lb. .21 - —
70%, steel dms., works lb. .18½ - .22½
Hydrofluosilicic, basis 30%, dms., works lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .093 - —
Hypophosphorus, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys lb. 88 - —
Isonicotinic, 100 lb fib dms, works lb. 5.00 - —
Hydrazide (see Isoniazid).
J, bbls., works, 100% basis lb. 2.50 - 2.85
Koch, bbls., frt. alld lb. .64 - .70
L, bbls., works lb. 1.25 - —
Lactic, edible, 50%, bbls., 20 or more lb. .17 - .20
smaller lots lb. .1750- .2100
80%, bbls., 5 or more lb. .30 - .3640
smaller lots lb. .305 - .3699
NF, 85%, cbys lb. .65 - .68
plastic grade, 50%, bbls., 20 or more, works lb. .2175- —
1 to 19 lb. .2225- .2278
80%, bbls., 5 or more lb. .3818- —
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 7.20 - 12.20
44% bbls., c.l., works 100 lbs. 11.45 - 11.90
l.c.l., works 100 lbs. 11.15 - 12.50
Laurent's, bbls lb. .60 - —
Lauric, 90%, dms lb. .36¼ - .38
Linseed oil, dist., dms lb. .2175- —
water white, dms. lb. .2475- —
Maleic, cryst., powd., dms lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots. lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½ - —
smaller lots, works lb. .55 - —
Molybdic, 85-92%, dms, works lb 1.27 - —
Monochloroacetic, purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric)
Myristic, dms lb. .28 - .29½
Naphthenic, 220-230 acidity, dms., works lb. .13¼ - —
tanks, works lb. .11¼ - —
Naphthol (1)-4-sulfonic (see Acid Nevile and Winthers)
Naphthol(1)-5-sulfonic (see Acid, L).
Naphthol(1)5-sulfonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulfonic,8-amino (see Acid H).
Naphthol(2)-6,8-disulfonic (see Acid, Gamma)
(5)-7-Sulfonic,2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulfonic (see Acid, Laurent's).
(2)-6-sulfonic (see Acid, Broenner's).
(2)-7-sulfonic (see Acid, F).
(2)-1-sulfonic (see Acid, Tobias).

Abbreviations
Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns	No.	number
AMP	American melting point	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	o-	ortho
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM	American Society for Testing Materials	e.p.	end point	p-	para
		equald.	equalized	Pac.	Pacific
Atl.	Atlantic	exp.	expressed	pf.	proof
Be.	Baume	F.	fahrenheit	phos.	phosphate
bbls.	barrels	ferment.	fermentation	photo.	photographic
bgs.	bags	f.f.a.	free fatty acid	pkgs.	packages
bls.	bales	f.f.c.	free from chlorine	powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	f.p.a.	free of prussic acid	pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	gal.	gallon	purif.	purified
C.	centigrade	gran.	granular	redist.	redistilled
cbys.	carboys	grd.	ground	refd.	refined
CD	completely denatured	i.&a.	iron and aluminum	refy.	refinery
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	reg.	regular
cks.	casks	imp.	imported	resub.	resublimed
c.l.	carlots	incl.	included	ret.	returnable
cns.	cans	indust.	industrial	SD	specially denatured
coml.	commercial	kgs.	kegs	s.d.	single distilled
conc.	concentrated	l-	laevo	S. E.	southeast
CP	chemically pure	lacq.	lacquer	sec.	secondary
cps.	centipoises	lb.	pound	secs.	seconds
cryst.	crystal	l.c.l.	less than carlots	s.g.	specific gravity
cs.	cases	liq.	liquid	shipt.	shipment
ctns.	cartons	m-	meta	soln.	solution
cyls.	cylinders	m.a.p.	mixed aniline point	s.u.	standard unit
d-	dextro	min.	minimum	syn.	synthetic
dbl.	double	m.p.	melting point	tanks.	railroad tankcars
denat.	denatured	N-	nitrogen	tech.	technical
dest-dist.	destructive-distilled	n-	normal	tert-	tertiary
dl-	dextro-laevo	nat.	natural	USP	U. S. Pharmacopoeia
dist.	distilled	neut.	neutral	vis.	viscosity
		NF	National Formulary	VM&P	varnish makers & painters
				W.	west
				whse.	warehouse
				w. w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Nevile and Winther's — Alcohol, Ethyl

Acid, Nevile and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., frt. adjusted kilo 9.00 9.30
Amide, USP, (see Nicotinamide).
Nitric 36° Be cbys., c.l., works, E. 100 lbs. 5.25 - —
t.c.l., works, E 100 lbs. 5.55 - 6.35
38° Be cbys., c.l., works, E. 100 lbs. 5.75 - —
t.c.l., works, E 100 lbs. 6.05 6.80
40° Be, cbys., c.l., works, E 100 lbs. 6.25 - —
t.c.l., works, E 100 lbs. 6.55 - 7.35
42° Be cbys., c.l., works, E. 100 lbs. 6.75 - —
t.c.l., works, E 100 lbs. 7.05 - 7.85
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.40 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.40 - —
CP, NF, consumers, cbys., extra c.l., works lb. .13½- —
t.c.l., same basis lb. .15 - .15½
5 pint bottles, extra, c.l., same basis lb. .17½- —
t.c.l., same basis lb. .19 - .25
p-Nitrobenzoic, dms., c.l., works lb. .72 - —
t.c.l., works lb. .73 - —
Oleic, single dist., dms lb. .14¾- .16½
tanks lb. .13 - —
double dist., (white), dms lb. .17¼- .19
tanks lb. .15½- —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic)
Orthocresotinic (see Acid, 2,3-Cresotic).
Oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
b-Oxynaphthoic, bbls., works lb. 1.14 - —
Palm oil, double dist., dms lb. .13¼- .15
Para-aminobenzoic (see Acid, p-Aminobenzoic)
Acid, para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst., cns. lb. .75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys. c.l., works 100 lbs. 7.30 - —
l.c.l., works 100 lbs. 7.80 - 8.30
tanks, works 100 lbs. 5.10 - —
NF, 85%, cbys., c.l., works lb. .08½- —
l.c.l. works lb. .09 - .09½
Picric, NF, bbls. lb. .60 - —
tech., bbls. lb. .34 - .35
Propionic, syn., pure, dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .19 - —
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms lb. .37 - —
sublimed, tech., fib. dms., c.l. lb. .39 - —
l.c.l. lb. .46 - —
dyestuffs grade, fib. dms. lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powder, fib. dms lb. .53 - —
Sebacic, purif., dms., c.l., works. lb. .64 - —
l.c.l., works lb. .66 - .70
Soybean oil, dbl. dist., dms lb. .17½- .18¾
tanks lb. .15¾- .16
s. d., dms lb. .17 - .18¾
tanks lb. .15¼- —
Acid, stearic, dbl. pressed, bgs. lb. .11¾- .13½
single pressed, bgs. lb. .11¼- .13
triple-pressed, bgs. lb. .14 - .15¾
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
tanks, works ton. 18.60 - —
66° Be, cbys., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton. 22.35 - —
98%, tanks, works ton. 23.50 - —
99-100%, tanks, works ton. 23.95 - —
CP, NF, consumers cbys. extra, c.l., works frt. equald lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
oleum, 20%, tanks, works ton. 25.00 - —
40% tanks, works ton. 29.00 - —
65% tanks, works ton. 39.50 - —
Tallow, dist., dms. lb. .11½- .13¼
hydrogenated, bgs. lb. .09 - .11¼
Tannic, NF, fluffy, bbls., 1,000-lb lots lb 1.59 - 1.60
smaller lots lb 1.65 - 1.76
powder bbls, 1,000-lb lots lb 1.50 - —
smaller lots lb. 1.51 - 1.69
tech. dms lb. .95 - —
Tartaric, USP, dom., 230 or 250-lb., dms., c.l lb. .37 - —
10,000-lb. lots, 1 shipt. lb. .37½- —
smaller lots lb. .38 - —
100-lb dms lb. .39 - —
small dms lb. .41 - .47
imp., bgs. lb. .34 - .35
Acid, thioglycolic, refined, cbys., 100% basis lb. 1.80 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
p-Toluenesulfonic, dms., c.l., works. lb. .16 - —
l.c.l., works lb. .17½- —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5T)
Undecylenic dms. lb 1.40 - —
Aconite root, bls. lb. .50 - .55
Aconitine, cryst., potent, bots. oz. 78.00 - 85.00
Acrolein, tech., dms., c.l., works. lb. .47 - —
l.c.l., works lb. .47½- —
Acrylonitrile, dms., c.l., works lb. .33 - —
l.c.l., works lb. .34 - —
tanks, works lb. .31 - —
ACTH, cryst., bulk, 1,000 units/gram, bots. gram. 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 2.90 - 3.10
powdered, 30 mesh, fib., dms. lb. 3.40 - 3.50
dl-Alanine, dms., works lb. 8.50 - 11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., t.c.l. lb. .65 .90
Egg, edible, flake, bbls lb. 1.42 - 1.44
powder, bbls lb. 1.46 - 1.48
tech., cryst., bbls lb. .85 - .87
Alcohol, allyl, dms., c.l., dlvd. lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°132°C., dms., l.c.l., dlvd lb. .34 - —
ACS grade, dms., c.l., dlvd lb. .36 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .15 - —
primary, dms., c.l., frt. alld. lb. .19¼- —
l.c.l., frt. alld lb. .20¼- —
tanks, frt. alld lb. .17¼- —
sec-synthetic, dms., c.l., frt. alld., works lb. .18 - —
l.c.l., works lb. .19 - —
tanks, works lb. .16 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
l.c.l., frt. alld. E lb. .18 - —
tanks, frt. alld. E lb. .15 - —
1-pentanol (synthetic normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl fermentation, dms., c.l., frt. alld lb. .15 - —
l.c.l., frt. alld lb. .16 - —
tanks, frt. alld lb. .13 - —
n-synthetic, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
sec-synthetic, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, works lb. .12 - —
Capryl, 85%, dms., c.l., works. lb. .18 - —
l.c.l. works lb. .18½- —
tanks, works lb. .16½- —
95%, dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Cetyl, extra, ns. cns., 500-lb. lots or more lb. .73 - —
smaller lots lb. .80 - 1.15
NF, fib. cns. 140-lb lots or more lb. .58 - .82
smaller lots lb. .59 - .82
Cinnamic, bots lb. 2.15 - 2.75
Decyl, bots lb. 1.75 - 2.00
Industrial (see 1-Decanol).
Denatured, CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis, gal. .59½- .65⅛
tanks, dlvd., same basis gal. .41½- —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.

Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.

SD1, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66⅛
tanks, same basis gal. .42½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66⅛
tanks, same basis gal. .42½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis gal. .59½- .65⅛
tanks, same basis gal. .41½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
Diacetone, acetone-free, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal. 20.48 - —
l.c.l., same basis gal. 20.53 - 20.59
tanks, same basis gal. 20.35 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies. gal. 21.58 - —
l.c.l., same basis gal. 21.63 - 21.69
tanks, same basis gal. 21.45 - —

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BUTYL ACETATE
ETHYL ACETATE
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ACETALDEHYDE
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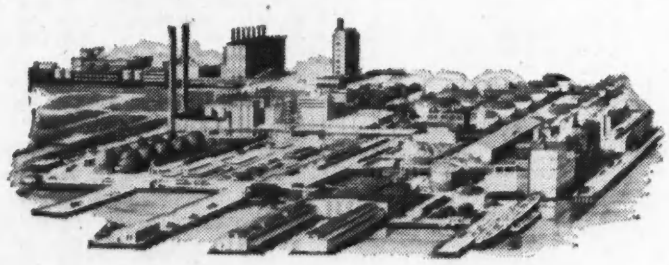
Publicker's Chemical Plant on the Delaware River



PUBLICKER INDUSTRIES Inc.

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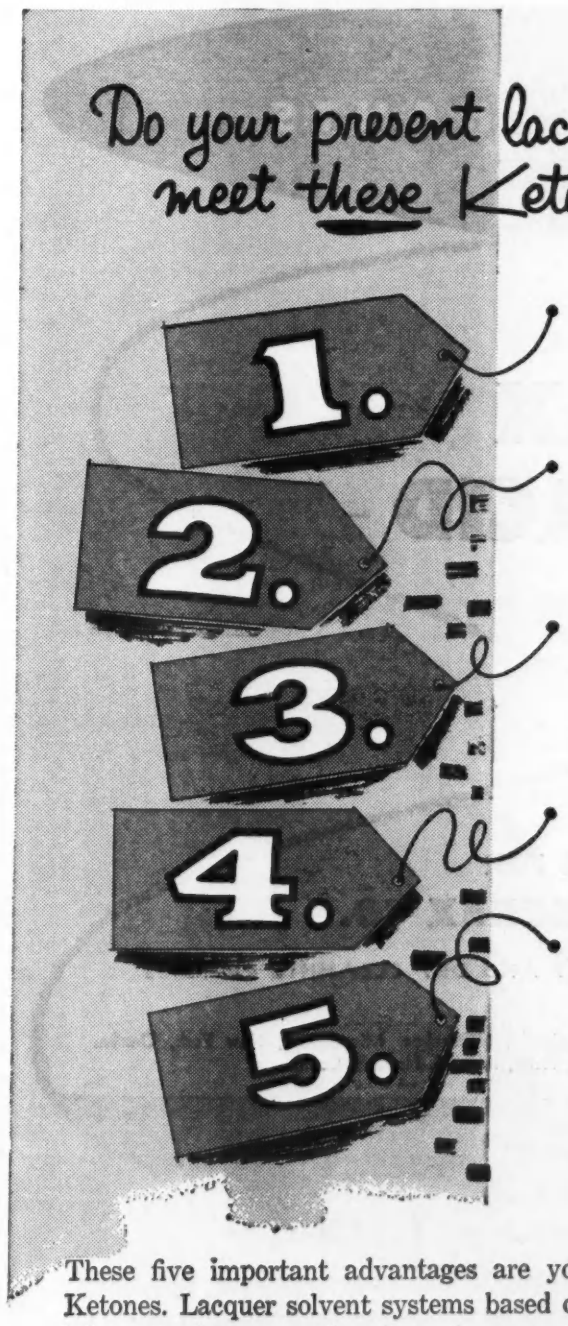
NEW YORK & NEW ENGLAND DISTRIBUTOR, PUBLICKER ALCOHOL & CHEMICALS SALES CORPORATION

PHILADELPHIA—LOCUST 4-1400 • PITTSBURGH—LOCUST 1-8527 • NEW YORK—OXFORD 5-4160 • BOSTON—FAIRVIEW 4-1888

Alcohol, 2-ethylbutyl, dms., c.l., works	lb.	.29½-	—
l.c.l., works	lb.	.30	—
tanks, works	lb.	.28	—
2-Ethylhexyl, dms., c.l., dlvd. E.lb.		.23¾-	—
l.c.l., same basis	lb.	.24¾-	—
tanks, same basis	lb.	.21¾-	—
Furfuryl, cns., works	lb.	.29	—
dms., c.l., Cedar Rapids, Ia.	lb.	.21	—
Newark, N. J.	lb.	.21½-	—
l.c.l., Cedar Rapids, Ia.	lb.	.22	—
Newark, N. J.	lb.	.22½-	—
tanks, Memphis, Tenn.	lb.	.184	—
Isoamyl (see Alcohol, amyl, fermentation, refined).			
Isobutyl, dms., c.l., dlvd.	lb.	.14	—
l.c.l., dlvd.	lb.	.15	—
tanks, dlvd.	lb.	.12	—
Iso-octyl, dms., c.l., dlvd. E.	lb.	.23	—
l.c.l., dlvd. E.	lb.	.24	—
tanks, dlvd. E.	lb.	.21	—
Isopropyl, refd., 91%, dms., c.l., dlvd.	gal.	.48	—
l.c.l., dlvd.	gal.	.55	—
tanks, dlvd.	gal.	.35	—
95% dms., c.l., dlvd.	gal.	.50	—
l.c.l., dlvd.	gal.	.57	—
tanks, dlvd.	gal.	.37	—
99%, dms., c.l., dlvd.	gal.	.52	—
l.c.l., dlvd.	gal.	.59	—
tanks, dlvd.	gal.	.39	—
Lauryl, bots.	lb.	2.00	- 2.50
Methyl (see MethanoD).			
Methylamyl (see Carbinol, methyl-isobutyl)			
Octyl, perfumer's grade, bots.	lb.	1.75	- 3.25
tech. (see Octanol, normal).			
2-Phenylethyl, extra, dms.	lb.	1.14	- 1.45
standard, dms.	lb.	1.26	- 1.35
n-Propyl, dms., c.l., dlvd.	lb.	.12	—
c.l., dlvd.	lb.	.13	—
tanks, dlvd.	lb.	.10	—
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa	lb.	.54	—
dms., c.l., Niagara Falls, N. Y.	lb.	.44½-	—
l.c.l., Newark, N. J., Cedar Rapids, Ia.	lb.	.47	—
tanks, Niagara Falls, N. Y.	lb.	.43	—
indust. grade, dms., c.l., Niagara Falls, N. Y.	lb.	.305	—
l.c.l., Newark, N. J., Cedar Rapids, Ia.	lb.	.33	—
tanks, Niagara Falls, N. Y.	lb.	.29	—
Wood (see Methanol).			
Aldol, 95%, dms. works	lb.	.23	—
denaturing grade dms.	gal.	2.15	—
Aldrin, 60% soln., dms., c.l., works, frt. alld.	lb.	.538	—
l.c.l., works, frt. alld.	lb.	.588	—
Aletris root, bgs.	lb.	1.75	- 1.85
Algin (see Sodium alginate).			
Allethrin, 100% dms. frt., alld	lb.	32.00	—
90%, dms., frt. alld.	lb.	29.15	—
solution, 20% dms. 100-lb. lots frt. alld.	lb.	6.80	—
2½%, dms., frt. alld.	lb.	.90	- 1.25
Allspice (see Pimento).			
Allyl bromide, cnys., works	lb.	1.35	- 1.40
Chloride, dms., c.l., dlvd.	lb.	.17	—
l.c.l., dlvd.	lb.	.18	—
tanks, dlvd.	lb.	.15	—
Starch, solid dms., works	lb.	.52¾-	.54¼
solution, 40% toluol-butanol, dms., works	lb.	.25½-	.26¼
Aloe, Cape, cs.		.36	—
powd., cs.	lb.	.50	—
Curacao, kgs.	lb.	.50	.55
Socotrine, kgs.	lb.	No prices	
Aloin, USP, bbls., dms., kgs.	lb.	3.75	- 3.82
Alphanaphthol (see a-Naphthol).			
Alphanaphthylamine (see a-Naphthylamine).			
Alphanitronaphthalene (see a-Nitronaphthalene).			
Alphapicoline (see a-Picoline).			
Alphaterpineol (see a-Terpineol).			
Alphatocopherol (see a-Tocopherol).			
Alum, ammonium, gran., bgs., works, 100 lbs.		4.30	—
lump, dms., works, 100 lbs.		5.05	—
powd., dms., works, 100 lbs.		5.20	—
USP, burnt, dms.	lb.	.20	.21
hydrous, dms.	lb.	.07¾-	.08
Potassium, gran., bgs., works, 100 lbs.		4.55	—
lump, dms., works, 100 lbs.		5.30	—
powd., dms., works, 100 lbs.		5.45	—
USP, burnt, dms.	lb.	.20	.21
hydrous, dms.	lb.	.07¾-	.08
Potash-chrome, dms.	lb.	.17	—
Sodium, dms., c.l., works, 100 lbs.		4.60	—
l.c.l., works, 100 lbs.		5.00	—
Alumina, calcined, bgs., c.l., works,	lb.	.0385-	—
l.c.l., works	lb.	.0410-	.0510
Aluminum acetate, basic solut., 24%, bbls., l.c.l. works	lb.	.14	—
Chloride, coml., anhyd., dms., c.l., works, frt. equald	lb.	.15	—
l.c.l. works frt. equald.	lb.	.1550-	—
cryst., dms., c.l., works	lb.	.1030-	—
l.c.l., works	lb.	.1070-	—
soln. 32° cbys., c.l., works	lb.	.0369-	—
l.c.l., works	lb.	.0435-	.0960
tanks, works, 100 lbs.		2.80	—
NF, gran. dms. works	lb.	.29	.31
Fluoride, tech., anhyd., bgs., c.l., works	lb.	.1540-	—
l.c.l., works	lb.	.1640-	.1840
Aluminum fluoride, 1a fib. dms., 0.35c per lb higher.			
Formate, basic soln., cbys.	lb.	.09½-	—
l.c.l. works	lb.	.10	—
Hydrate, heavy, bgs., c.l., frt. equald.	ton.	60.00	—
l.c.l., works	ton.	65.00	-85.00
light bgs. dlvd.	lb.	.17	—
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works	lb.	.22	—
contract, works	lb.	.21	—
8-9½% Al_2O_3, fib. dms., works	lb.	.19	—
contract, works	lb.	.18	—
dried, USP XIV, fib., dms., works	lb.	.82½-	—
contract, works	lb.	79½-	—
tech., powder (see Aluminum hydrate).			
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld.	lb.	.222	—
pigs, 10,000-lb. lots, frt. alld.	lb.	.20½-	—
Oxide, amorphous (see Alumina, calcined).			
Paste, lining, extra-fine, dms.	lb.	.63½-	—
standard, dms.	lb.	.43	—
Powder, lining, extra fine, dms	lb.	1.02½-	—
standard, dms.	lb.	.72	—

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb for 50-lb. dm., 3c. per lb for 10-lb. can and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over

Resinate, precip., 2.1% Al, dms., frt. alld.	lb.	.30	—
Stearate, dibasic, ctns., c.l.	lb.	.33	—
l.c.l.	lb.	.34	.37
monobasic, ctns., c.l.	lb.	.33	—
l.c.l.	lb.	.34	.37
tribasic, ctns., c.l.	lb.	.33	—
l.c.l.	lb.	.34	.37
Aluminum sulfate, coml., bulk., c.l., works, 100 lbs.		1.85	—
grd., c.l., bgs., works	ton.	37.00	—
lump, c.l., bgs., works	ton.	40.00	—
Iron-free, bgs., c.l., works, frt. equald, 100 lbs.		3.55	—
l.c.l., works, frt. equald 100 lbs.		3.95	—
USP, gran., dms., works	lb.	.16	- .18
powd., dms., works	lb.	.22	- .24
Trihydrate heavy (see Aluminum hydrate, heavy).			
Ambergris, gray, bots.	oz.	8.00	-10.00
Aminoazotoluene, base, bbls.	lb.	1.03	- 1.18
o-Aminobiphenyl, dms., c.l., works,	lb.	.32½-	—
l.c.l., works	lb.	.33	—
tanks, works	lb.	.31	—
Aminoethyl ethanolamine, dms., c.l., dlvd	lb.	.46½-	—
l.c.l., dlvd.	lb.	.45	—
tanks, dlvd.	lb.	.45	—
2-Amino-2-methyl-1-propanol, cns., dms., works	lb.	.60	—
m-Aminophenol, distilled, dms, ton lots	lb.	2.05	—
smaller lots	lb.	4.50	—
p-Aminophenol, dms., frt. alld.	lb.	.97	- .98
Aminophylline, USP, 100-lb. dms.	lb.	3.55	—
Aminopyrine, USP, bots., dms.	lb.	4.75	—
Ammonia, anhyd., fertilizer, tanks, works, frt. equald.	ton.	85.00	-88.00
pure cyls., extra, zone 1	lb.	.18½-	—
2	lb.	.19	—
3	lb.	.19½-	.20
4	lb.	.20	—
5	lb.	.21	—
refrigeration tanks, works, frt. equald.	ton.	87.50	-90.50
Aqueous (29.4% NH_3), dms., c.l., dlvd. Metropolitan area, 100 lbs.		3.60	—
l.c.l., works, 100 lbs.		4.00	—
tanks, works, anhyd. basis.	ton.	96.00	—
Ammoniac, sal, gray, bgs., c.l., works, frt. equald. 100 lbs.		8.25	—
l.c.l., same basis, 100 lbs.		8.65	-11.15
white, gran. (see Ammonium chloride, tech.)			
Ammoniacal liquor, tankcars, works, anhyd. basis	ton.	96.00	—
Ammonium acetate, purified, dms.	lb.	.38	—
Benzoate, USP, dms., kgs., 4,000-lb. lots, frt. alld.	lb.	.80	—
smaller lots, frt. alld.	lb.	.81	- 1.03
Biborate, bbls., c.l., works	ton.	312.00	—
ton lots, ex whse	ton.	375.00	—
smaller lots, ex whse.	ton.	380.00	—
Bicarbonate, dom., dms., c.l., works, 100 lbs.		6.50	—
l.c.l., works, 100 lbs.		7.50	—
imp., dms., l.c.l.	lb.	.07¼-	.08½
Bichromate, dms., works	lb.	.42	- .43
Bifluoride, dms., dlvd.	lb.	.2145-	.2245
Bromide NF, gran., bbls.	lb.	.38	- .39
dms.	lb.	.39	- .42
Powdered ammonium bromide 10c per lb higher			
Carbonate, USP, lump, powd., dms	lb.	.23	- .24
Chloride, tech., white granular, bgs., c.l., works, 100 lbs.		5.25	—
l.c.l., works, 100 lbs.		7.00	—
USP, gran., bbls., dms.	lb.	.17¼-	—
Citrate, dibasic, bbls.	lb.	.75	—
dms.	lb.	.80	.85
Dichromate (see Ammonium bichromate).			
Fluoride (see Ammonium bifluoride).			
Hydroxide (see Ammonia, aqueous).			
Hypophosphite, NF, dms.	lb.	3.07	—
Iodide, NF, dms., bots.	lb.	4.26	- 4.38
Linoleate, 80% dms. works	lb.	.50	- .55
Nitrate, fertilizer grade, dom., 33.5% N, bgs., western, works, frt. equald.	ton.	68.00	-70.00
with dolomite, 20.5%N, bgs., Hopewell, Va.	ton.	51.00	—
Ammonium nitrate, imp., Canadian, 33.5% N, eastern, bgs.,			
c.l., shipt. point	ton.	74.50	—
western, bgs., c.l., f.o.b. cars, Los Angeles.	ton.	89.84	—
Oxalate, fine gran., dms.	lb.	.26½-	.31
Pentaborate, gran., bbls., c.l., works	ton.	222.00	—
ton lots, ex whse	ton.	285 50	—
smaller, lots, ex whse	ton.	290,00	—
Ammonium pentaborate powder, $10 per ton higher.			
Perchlorate, kgs., works	lb.	.50	- .75
Persulfate, kgs.	lb.	.38	—
Phosphate, coml., bgs., c.l., works, frt. equald	lb.	.0865-	—
l.c.l., same basis	lb.	.09	—
dibasic, NF, V bbls., dms	lb.	.45	—
tech., bgs., c.l. works, frt. equald	lb.	.0865-	—
l.c.l., same basis	lb.	.0915-	—
Salicylate, NF, dms., kgs.	lb.	1.62	1.64
Silicofluoride, dms., works	lb.	.11	.12
Sulfamate, bbls., dms., works.	lb.	.18	- .20
Sulfate, coke-oven, bulk, producing ovens	ton.	42.00	-47.50
syn., bgs., c.l., western, works.	ton.	47.00	—
bulk, works	ton.	42.00	—
purified, dms., works	lb	08½-	.10
Sulfide, liq., 40-44%, dms., c.l., frt. equald., 100% basis.	ton.	240.00	—
l.c.l., works, 100% basis.	ton.	300.00	—
tanks, frt. alld., 100% basis.	ton.	180.00	—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Ammonium Sulfocyanide—Bismuth Metal

Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, coml., cbys., 100% basis lb. 1.60 - —
highly purif., cbys., 100% basis. lb. 1.70 - 1.96
Thiosulfate, cryst., photo grade, fib dms., frt. alld lb. .65 - —
60% soln., dms., c.l., works lb. .06½- —
d-Amphetamine hydrochloride di-basic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb. 28.00 - —
d-Phosphate, dibasic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-Sulfate, dms lb. 28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., frt. alld. E. of Rockies lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
ex pentane, reg., dms., c.l., dlvd. lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
tech., dms., c.l., dlvd. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
Alcohol (see Alcohol amyl).
n-Butyrate, dms lb. .90 - 1.25
Cinnamic aldehyde, dms lb. 1.70 - 2.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .43¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .41¾- —
p-tert-Amyl phenol, dms., c.l., works, lb. .24¾- —
l.c.l., works lb. .25¾- —
tanks, works lb. .23¾- —
Anethole, NF, cns., dms lb. 1.25 - 1.55
tech., dms lb. .75 - 1.20
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms., c.l., works, frt. alld. lb. .21 - —
l.c.l., works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., frt. alld lb. .33 - —
Anise, Mexican, bgs lb. .21 - —
Spanish, bgs. lb. .28 - —
Syrian, bgs. lb. .19½- .20
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms., works lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs. lb. .24 - —
powd., dms. lb. .28 - —
Anthracene 90-95% bbls., ton-lots, works lb. .70 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .88 - —
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .28½- —
cs., c.l., mines lb. .29 - —
Oxide, bgs., c.l., frt. alld lb. .29 - —
l.c.l., frt. alld lb. .30½- —
Sulfide, approx. 60%, bgs., dlvd. lb. .27 - .30
Trichloride, anhyd., pails, c.l., works lb. .38½- —
l.c.l., works lb. .40½- —
Antimony potassium tartrate, tech., gran. or powd., dms lb. .56 - .59
USP, powd., dms lb. .61 - .62
Antipyrine, NF, dms lb. 2.50 - 2.70
Apomorphine hydrochloride, USP, bots oz. 23.40 - 23.90
Areca nuts, powd., bbls. lb. .15 - .16
Arecoline hydrobromide, NF, bots. tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms., 1-kilo lots kilo. 74.80 - 83.00
Argols, min. 50%, bgs., shipt. ports per 100 kilos, 100% basis 24.50 - —
Arnica flowers (true montana), bls. lb. 2.50 Nom.
Arsenic metal, lump, bbls., prompt ship't lb. .60 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l. dlvd. lb. .06½- .07½
Asafetida, cs lb. .36 - .39
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 1,300.00- —
No. 2, c.l. (20 tons), mines ton. 675.00 - —
Run-of-mine, c.l., (20 tons), mines ton. 556.00 - —
3K, c.l. (20 tons), mines ton. 436.00 - —
3R, c.l. (20 tons), mines ton. 371.00 - —
3T, c.l. (20 tons), mines ton. 348.00 - —
3Z, c.l. (20 tons), mines ton. 321.00 - —
4K, c.l. (20 tons), mines ton. 173.00 - —
4M, c.l. (20 tons), mines ton. 173.00 - —
4T, c.l. (20 tons), mines ton. 156.00 - —
4Z, c.l. (20 tons), mines ton. 156.00 - —
5D, c.l. (20 tons), mines ton. 122.50 - —
5K, c.l. (20 tons), mines ton. 122.50 - —
5M, c.l. (20 tons), mines ton. 116.50 - —
5R, c.l. (20 tons), mines ton. 110.00 - —
6D, c.l. (30 tons), mines ton. 78.00 - —
7D, c.l. (30 tons), mines ton. 68.50 - —
7F, c.l. (30 tons), mines ton. 65.00 - —
7H, c.l. (30 tons), mines ton. 55.00 - —
7K, c.l. (30 tons), mines ton. 46.00 - —
Asbestos, Canadian, crude 7M, c.l., (30 tons), mines ton. 40.00 - —
7R, c.l. (30 tons), mines ton. 39.00 - —
7T, c.l. (30 tons), mines ton. 37.00 - —
7RF, c.l. (30 tons), mines ton. 40.00 - —
7TF, c.l. (30 tons), mines ton. 40.00 - —
(S, c.l., (30 tons), mines ton. 27.00 - —
Asbestos c.l. prices are in U. S. funds, l.c.l., lots, $4 per ton higher.
Asphalt, gilsonite, black, jet, bgs., c.l., mines ton. 37.00 - —
select, 350°F., fusing pt., bgs., c.l., mines ton. 38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton. 37.00 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton. 32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Petroleum, cut-back, tanks, tank-wagon, refinery gal. .09 - —
emulsion, tanks, tankwagon, refy gal. .09½- .10
steam-refd., less than 80 penetration tanks, tankwagon refy ton. 21.00 - —
80-300 penetration, tanks, tank-wagon, refy ton. 20.00 - —
Aspirin (see Acid, acetylsalicylic).
Atropine, USP, bots oz. 7.00 - —
Sulfate, USP, bots oz. 4.00 - —

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root, bark, bags lb. .28 - .30
Barbital, USP, 100-lb. dms lb. 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton. 92.50 - —
smaller lots works ton 102.50 - —
Chlorate, kgs., works lb. .32 - .36
Chloride, anhyd., bgs., c.l., works. ton. 158.00 - —
l.c.l., works ton 168.00 - —
cryst., tech., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.50 - —
NF, cryst., dms lb. .18 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate, cryst., bgs ton. 190.00 - 200.00
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .12½- —
l.c.l., works lb. .14 - —
Oxide, grd., dms., c.l., frt. equald. ton. 255.00 - —
l.c.l., works ton. 265.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, ctns., c.l., frt. alld lb. .37 - —
l.c.l., same basis lb. .38 - .42
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms lb. .14 - .14½
Sulfide, dms., c.l., works ton. 85.00 - —
l.c.l., works ton. 95.00 - —
Barytes, Southern off-color, bgs., mines ton. 25.00 - —
95.75%, bgs., mines ton. 25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton. 41.60 - —
ex-whse., N. Y. ton. 60.10 - —
Bauxite, bulk, mines ton. 9.50 - 10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 - .37
root, bls lb. .45 - .50
Bentonite, dom., 200 mesh bgs., c.l., mines ton. 14.00 - —
imp., Italian, white, high gel., bgs., 5-ton lots, ex whse ton. 80.60 - —
1 ton-lots, ex whse ton. 83.10 - —
low gel, bgs., 5 ton-lots, ex whse ton. 78.95 - —
1 ton-lots, ex whse ton 81.45 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldehyde, NF, dms lb. .74 - 1.05
tech., cbys., dms lb. .44 - —
Benzene (see Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit-lb. .009 - .01
l.c.l., works, gamma unit-lb. .015 - —
wet dust, distributors, dms., c.l., dlvd., gamma unit-lb. .02 - —
l.c.l., dlvd., gamma unit-lb. .021 - —
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb. 1.00 - —
Benzocaine, dms lb. 3.48 - 3.50
Benzol, pure or nitration, tanks, works
Bethlehem, Pa gal. .40 - —
Birmingham district gal. .40 - —
Chicago district gal. .40 - —
Cleveland district gal. .40 - —
Geneva, Utah gal. .40 - —
Johnstown, Pa gal. .40 - —
Lackawanna, N. Y. gal. .40 - —
Lone star, Texas gal. .40 - —
Lorain, Ohio gal. .40 - —
Minnequa, Colo gal. .39 - —
Philadelphia district gal. .40 - —
Pittsburgh district gal. .40 - —
Sparrows Point, Md. gal. .40 - —
Syracuse, N. Y. gal. .40 - —
Terre Haute, Ind. gal. .40 - —
Youngstown, Ohio gal. .40 - —
Benzophenone dms lb. 1.40 - 1.70
Benzonitrile, dms., c.l., works lb. .46¾- —
l.c.l., works lb. .47 - —
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tank trucks, dlvd. Metropolitan area lb. .20 - —
Peroxide, pur., fib. dms., 50-1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. .62 - 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .62 - 1.10
Chloride, tech., cbys., dms., c.l., works, frt. equald lb. .20½- .23½
l.c.l., same basis lb. .21½- .24½
High grade benzyl chloride, 2c. higher.
Cinnamate, cns. lb. 3.35 - 3.90
Formate, cns. lb. 1.30 - 2.10
Isoeugenol, cns. lb. 8.60 - 9.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns lb. 35.00 - 36.25
Hydrochloride, bots lb. 35.00 - 36.25
Betagammapicoline (see b.g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, technical).
Biotin cryst., bots gram. 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms. lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —

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Bismuth nitrate, cryst., dms.....lb. 2.10 - 2.17
Oxide, anhyd., dms.....lb. 4.47 - 5.05
Oxychloride, dms.....lb. 4.37 - 4.42
Phenolsulfonate, fib. dms.....lb. 5.22 - —
Subcarbonate, USP, dms.....lb. 3.20 - —
Subgallate, NF, fib. dms.....lb. 3.15 - —
Subiodide, fib. dms.....lb. 5.37 - —
Subnitrate, NF, dms.....lb. 2.65 - —
Subsalicylate, USP, dms.....lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works.lb. .17 - —
cs., l.c.l., shipt. point.....lb. .22½- .26
Ash (see Barium sulfide).
Bone, dms. l.c.l., frt. alld....lb. .17 - .23¼
Pacific coast bone black prices, 2c. per lb higher
Carbon, channel, pigment, high color, beads, ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse.lb. .78 - —
medium color, uncompressed, bgs., c.l., works lb. .12 - —
l.c.l., dlvd. or whse.lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works.....lb. .074 - —
c.l., works.....lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse.....lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works.....lb. .0790- —
l.c.l., dlvd. or whse.lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse.....lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., cns., l.c.l., whse...lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works. lb. .12¾- —
l.c.l., works.....lb. .13 - —
Lamp, bgs., c.l., works.....lb. .16 - .45
Mineral, bgs., works.....lb. .0160- .0675
Blackberry root bark, bls.....lb. .45 - —
Black haw root bark, bls.....lb. .65 - .70
tree bark, bls.....lb. .40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton.190.00 - —
l.c.l., works.....ton.200.00 - —
direct process, bgs., c.l., works. ton.100.00 - —
l.c.l., works.....ton.110.00 - —
N. Y. whse.....ton.140.88 -165.00
pulp, 70%, bbls., c.l., works. ton.105.00 - —
l.c.l., works.....ton 115.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works.....100 lbs. 6.52 - —
Blood, dried, 16-16½% ammonia, bgs. unit-ton. 8.00 - —
high-grade unground, 16-17% ammonia, bgs., Chicago. unit-ton. 7.75 - —
soluble, bgs., c.l.....lb. .17 - .19
l.c.l.....lb. .18 - .25
Bloodroot, bls.....lb. .60 - .65
Blue alkali, dry, bbls., dlvd. N. or Tenn. and N. C., E. of Miss R. including St Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
toner bbls. litho flushed same basis lb. 1.25 - —
Chinese, bbls., same basis lb. .48 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
Imitation (see Blue ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.60 - —
tungstated, PTMA, bbls., same basis lb. 3.85 - —
Milori, bbls., same basis lb. .48 - —
Peacock, fugitive, 100% color strength, bbls., same basis lb. .75 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls. same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .48 - —
soluble, bbls., same basis lb. .48 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½- .35
jobbing types, bbls., same basis. lb. .16½- .18½
reg. types, dry, bbls., same basis. lb. .22½- .35
Victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls.....lb. 5.00 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue vitrol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E..ton.60.00 - —
Los Angeles, works.....ton.82.00 - —
Bone phosphate defluorinated (see D)
of lime (see Calcium phosphate, tribasic).
precipatated (see Calcium phosphate tribasic, NF, precip.).
Borax, tech., anhyd., bgs., c.l., works. ton.78.00 - —
ton lots ex whse. N. Y. or Chicago..ton.125.75 - —
bulk, c.l., works.....ton.70.00 - —
cryst., 99%, bgs., c.l., works. ton.67.25 - —
ton lots, ex-whse., N. Y. or Chi ton.115.00 - —
smaller lots, same basis. ton.120.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton.41.25 - —
ton lots, ex whse., N. Y. Chi. ton.89.00 - —
smaller lots, same basis. ton.94.00 - —
bulk, c.l., works.....ton.35.75 - —
pentahydrate, 99½%, bgs., c.l., works ton.55.50 - —
ton lots, ex whse, N.Y., Chi ton.108.25 - —
smaller lots, same basis. ton.103.25 - —
powd., 99½%, bgs., c.l., works. ton.46.25 - —
ton lots, ex-whse., N. Y. or Chi. ton.94.00 - —
smaller lots, same basis. ton.99.00 - —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. pt. lb. .18 - .24
l.c.l., same basis.....lb. .19 - .26

Borneol, cns.....lb. 2.50 - 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
lots truckload, works.....lb. .70 - —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., dlvd. E. of Rockies lb. .27 - —
l.c.l. up to 1,000-lb lots, same basis lb. .29 - —
dms. lead-lined, dlvd.....lb. .34 - —
Bromoform, pharmaceutical grade, bots lb 1.62 2.60
cbys.....lb 1.52 —
Bromstyrol bots.....lb. 5.40 5.70
Bronze powder aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works lb. .13¾- —
l.c.l., works lb. .14 - —
Oxide, metallic, bgs, works...lb. .04 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l. works lb. .04½ 15½
raw, pape bgs. c.l. works lb. .04½ 13
l.c.l. works lb. .04¾ 13¼
Umber, burnt, American, bgs., c.l., works lb. .06 —
l.c.l., works.....lb. .06¼- .07
Turkey type bgs c.l. Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y lb. .06¾ —
l.c.l., works.....lb. .07 - —
raw, American bgs works lb. .06¼ 06¼
Turkey-type bgs. works lb. .06¾ .07
Vandyke bbls works lb. .09½ .12
Brucine, cns., 100-oz. lots.....oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots...lb. .15 - .20
Buchu leaves, bls.....lb. .50 - —
Butadiene, refd., cyls., refy....lb. .22 - —
tanks, refy.....lb. .15 - —

Butane, indust., tanks, group 3 gal. .03 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13 - —
n-synthetic, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13 - —
sec-synthetic, dms., c.l., dlvd. E. lb. .12½- —
l.c.l., same basis.....lb. .13¼- —
tanks, same basis.....lb. .10¾- —
Alcohol (see Alcohol n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works.....lb. .37½- —
l.c.l., works lb. .38 - —
n-Ether, dms., c.l., works.....lb. .31½- —
l.c.l., works.....lb. .32 - —
tanks, works.....lb. .30 - —
Lactate dms., c.l., frt. alld. E. of Rockies lb. .35 - —
l.c.l., same basis.....lb. .36 - —
tanks same basis.....lb. .33 - —
Laurate, dms., works.....lb. .39 - —
Methacrylate normal, dms. less truckloads works lb. .70 - —
Oleate, refd., dms., l.c.l., works.lb. .32 - —
Phenylacetate dms lb 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms. l.c.l., frt equald lb. .24 - .27
Butylamine (see mono-di-, and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .49 - —
l.c.l., works.....lb. .50 - —
tanks, works.....lb. .48 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .25½- —
l.c.l., works.....lb. .26½- —

Butyraldehyde, dms., c.l., dlvd..lb. .21½- —
l.c.l. dlvd.....lb. .22½- —
tanks, dlvd.....lb. .19½- —
Butyric ether (see Ethyl butyrate).

C

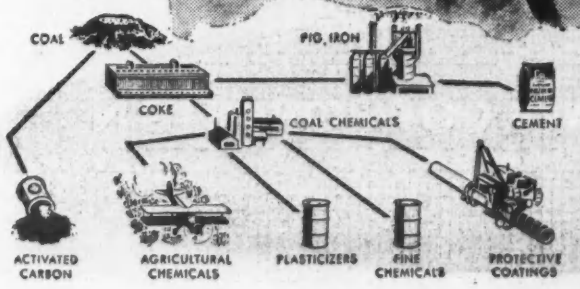
Cacao butter (see Cocoa butter)
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.05
Metal ingots or sticks, cs., dlvd. lb. 1.70 - —
Caffeine, nat., USP, cryst., dms., 100-lb. lots or more lb. 2.90 - —
anhydrous, dms.....lb. 3.10 - —
syn., hydrous, dms., 100-lb. lots or more lb. 2.90 - —
anhyd., dms., 100 lbs. or more. lb. 3.10 - —
citrated, USP, dms., 100-lb. lots or more lb. 2.80 - —
Calamine, USP, dms lb. .34 - —
Calciferol, cryst., vials, 1 kilo lots, works gram. .75 - —
25 to 100 gram lots, works. gram. .80 - .90
in edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted.lb. 7.00 - —
smaller lots, same basis...lb. 7.05 - 7.50
Arsenate, dealers, dms., c.l., whse works, frt. alld. on 96 lbs or over lb. .09 .10
l.c.l., same basis.....lb. .10 - —
Bromide, NF, jars.....lb. .90 - .97
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —

Main Line to New Chemical Wonderlands

Twenty-four hours a day, these giant steel pipes carry a rich cargo of chemical-laden gases from coke ovens to chemical plants of the Pittsburgh Coke & Chemical Company. Final destination? Your new crease-proof summer suit, the drug that takes the sneeze out of your hay fever, the herbicide that kills your weeds but not your grass . . . and perhaps 100,000 other coal chemical-made products that are, or soon will be, an important part of your life.

But there's an important "line" going the *other* way from our coke ovens, too. It carries coke to our blast furnaces for pig iron production. And slag from these furnaces is made into cement for highways and homes.

Diversified production? Yes, but completely integrated, too. For the operations of Pittsburgh's ten divisions are welded into a single, *basic* production pattern. The manufacturing efficiencies and coal-to-product quality control that result have made the Pittsburgh Coke & Chemical Company trademark a hallmark of dependability.



PITTSBURGH
COKE & CHEMICAL CO.

Calcium Carbonate—m-Chloroaniline

Calcium carbonate, nat., dry-grd., air floated, 99.5%—325 mesh, bgs., c.l., works ton. 7.50 - 10.00
chalk, whiting, 325 mesh, bgs., works ton.32.00 -34.00
water-grd., ½ to 0 microns, ogs c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton.17.00 -18.00
precip., dense, bgs., c.l., works, ton.30.00 -33.00
l.c.l., works ton.40 00 -48.00
medium, bgs., c.l., works ton.35.00 - —
l.c.l., works ton.45.00 -50.00
surface treated, bgs., c.l., works ton.35.00 -50.00
l.c.l., works ton.45.00 -65.00
ultrafine, bgs., c.l., works, ton.110.00 160 00
l.c.l., works ton.120 00 -175 00
Chloride, cryst., purif., dms. lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.27 00 - —
liquor, 40%, tanks, works, frt. alld. ton.11.35 - —
pellets, bgs., c.l., works ton.33.00 - —
powd., bgs., c.l., works ton.37.65 - —
solid, 73-75%, dms. c.l., frt equald ton.25.50 - —
l.c.l., works, same basis ton.34.00 -71.00
USP, gran., dms lb. .40 - —
Chromate bgs. frt. equald lb. .29½- .30
Cyanide dms. divu. E. of Rockies, lb. .24 - .50
Gluconate, AA, bbls., dms lb. .70 - .72
USP, bbls., dms lb. .53 - .65
Glycerophosphate, NF, fib. cms lb. 2.30 - 2.45
Hydride, dms., works lb. 2.15 - 3.00

Calcium hypochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies cs.22.60 -24.75
dms., 100-lb., same basis dm.28.65 -32.50
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.52 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4%, Ca, dms., frt. equald lb. .27¼- —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton.48.00 - —
tech., dms., works lb. .13 - —
d-Pantothenate, jars, 100-gram lots or more, frt. adjusted. gram .07½- —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms. lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. 100 lbs. 7.60 - 7.95
feed grade, 18½ to 21 units, bgs., c.l., works ton.74.00 -84.00
l.c.l., bgs., works ton.85.00 -95.00
monobasic, bgs., 10,000-lb. lots, works, frt. equald 100 lbs. 6.05 - —
smaller lots, same basis, 100 lbs. 6.55 - —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 7.95 - —
Phytate, bgs., works lb. .37 - —
Resinate, precip., dms., frt. alld., works lb. .30 - —

Calcium silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Stearate, ctns., c.l. lb. .35 - —
l.c.l. lb. .36 - .40
Sulfate (see Gypsum).
Calomel, USP, powd., dms. lb. 4.97 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .10½- —
l.c.l., same basis lb. .12 - .20
tanks, same basis lb. .08 - —
Chlorinated, 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., kgs lb. 3.00 - 3.12
nat., USP, powd., cs., 100-lb. lots, lb. .60 - .65
tablets, 1-oz., ½-oz. cs lb. .75 - .80
syn., tech., 1 bbl. or more lb. .49 - —
USP, gran., powd., bbls, 2,000-lb. lots lb. .54 - —
1,000-lb. lots lb. .55 - —
smaller lots lb. .56 - —
tablets, tins, 2,000-lb. lots lb. .85 - —
1,000-lb. lots lb. .86 - —
smaller lots lb. .87 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 2.00 - 2.05
powd., bxs. lb. 2.25 - 2.30
Russian, bgs. lb. 4.00 - 4.05
powd., bxs. lb. 4.35 - 4.40
Capsicum (see Pepper, red).
Oleoresin, NF from domestic pepper, dms. lb. 4.50 - 5.25
from African pepper, dms. lb. 4.35 - 5.00
Caraway seed, Dutch, bgs. lb. .16½- .17
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol).

Carbon dioxide, indust., wholesale, bulk, dlvd. metropolitan area, ton.73.00 -115.00
cyls., same basis lb. .08 - —
solid, same basis lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .0750- —
l.c.l., same basis lb. .0850- —
8-gal. dms., c.l., same basis lb. .1025- —
l.c.l., same basis lb. .1125- —
tanks, same basis lb. .0525- —
Tetrachloride, CP, dms., frt. alld. lb. .10½- .12¼
tech., consumers, dms., c.l., E. Rockies, frt. alld lb. .10 - —
W. of Rockies, f.o.b., stock-points lb. .10½- —
l.c.l., E. of Rockies, frt. alld. alld lb. .11¾- —
W. of Rockies, f.o.b. stock-points lb. .12¼- —
tanks, E. of Rockies, frt. alld. lb. .085 - —
W. of Rockies, f.o.b. stockpoints lb. .09 - —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb 4.10 - 4.75
Cardamom fruit, selected, bleached, A, cs. lb. 3.85 - —
medium, cs. lb. 3.85 - —
decorticated, Alleppey, cs. lb. 1.85 - —
Guatemalan, cs. lb. 1.75 - —
green, Alleppey, bgs. lb. 1.85 - —
Ceylon, bgs. lb. 1.85 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100 lb lots or more, dlvd. lb. 7.80 - —
smaller lots, dlvd. lb. 7.95 - 8.45
Carotene, technical, 1,350,000 A units per gram, tins, works gram. .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units, per lb., dms., works million units. .18 - —
microcrystalline in oil, 400,000 A units per gram, tins, works million units. .33 - —
Carvol, bots. lb. 4.75 - 9.65
Cascara sagrada bark, bulk lb. .36 - —
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point lb. .27 - .30
premium, bgs., 10,000-lb. lots or more, shipt. point lb. .35 - .40
imp., Argentine, acid-precip., grd., 100-lb. lots or more, duty paid lb. .25 - .27
Cashewnut shell liquid, treated, dms., c.i., Newark, N. J lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls. lb. .15½- —
longstick, cracked, bls lb. .17½- —
shortstick, cracked, bls lb. .16½- —
Saigon, broken, bls. lb. Nominal
medium, reconditioned, bls lb. .95 - —
thin, bls lb. 1.00 - —
Castor beans, bgs., f.o.b. Brazilian ports long ton.102.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.27.00 Nom.
Castoreum, syn., cns lb. 9.00 - —
natural, cns lb. 5 00 -30.00
Catechol, CP, cryst., fib. dms., works lb 2.17½- —
resub., dms., works lb. 4.29½- —
Catnip leaves, Southern, bls lb. .75 - —
Celery seed, French, bgs lb. .48 - —
Indian, bgs. lb. .14½- —
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, powd., ctns., bgs., 100-lb. lots or more, dlvd. E lb. .35 - .46
Butyrate, powd., 17% butyryl content, bgs., works lb. .54 - —
27% butyryl content, bgs., works lb. .59 - —
Cellulose acetate butyrate, powd., 38% butyryl content, bgs., works lb. .54 - —
50% butyryl content, bgs., works lb. .58 - —
Cerium hydrate, 74% CeO_2, fib. dms., 100-lb lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.05 - —
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 1.90
smaller lots, works lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs lb. .75 - .80
Roman, cs lb. 1.00 - 1.15
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32¼
smaller lots, works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.77.00 -88.00
granular, bgs., works ton 77 00 —
bulk, c.l., works ton.70.40 - —
Pinewood, gran., powd., bgs., c.l., works, South ton.55.00 - —
l.c.l., works, South ton.55.00 -65.00
lump bgs., c.l., works, South ton.51.50 - —
l.c.l., works, South ton.61.50 -69.00
bulk, c.l., works, South ton.36.00 - —
Chestnut extract, liquid, 25% tannin, bbls., c.l., works lb. .04¾- —
l.c.l., works lb. .0510- —
tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032- —
l.c.l., works lb. .1102- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots lb. 1.33 - —
100-lb. lots or less lb. 1.35 - —
Chlordan, agricultural, dms., c.l., frt. alld lb. .65 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .66 - —
clarified, dms., c.l., frt. alld lb. .75 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .76 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½- —
l.c.l., same basis lb. .16½- —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .65 - —
l.c.l., works lb. .66 - —
Chlorine, liquid, cyls., c.l., works, frt. equald lb. .09½- —
l.c.l., Metropolitan area lb. .11 - .12¼
tanks, single units, works, frt. equald 100 lbs. 2.93 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.80 - 3.83
3 cars, same basis 100 lbs. 3.80 - —
2 cars, same basis 100 lbs. 5.00 - —
1 car, same basis 100 lbs. 6.00 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —

Flat Sewn Open Mouth
Sewn Open Mouth
Pasted Open Mouth
for made-to-order heavy-duty multiwall sacks
Flat Sewn Valve
Sewn Valve
Pasted Valve
there is no substitute for kraft!
Dependable as a Source
Dependable as a Service
for multiwalls of every type—2 to 6 ply, 1 to 4 color printing
KRAFT means strength in paper—
and economy in shipping sacks.
KRAFT also means KRAFT BAG CORPORATION
—now in its 3rd generation of bag
making...and the dominant factor
in the manufacture of KRAFT-lok*
a new valve closure considered the
greatest contribution to the industry
since the L C Sleeve.
KRAFT-lok users report definite dollar savings
from production and packaging efficiency
that has amazed everybody in the business.
Other shipping sack manufacturers may soon
be offering bags with the KRAFT-lok principle...
But for the assurance of true KRAFT-lok
construction and performance, get the
story from us—or ask us to give you a
demonstration on your own packers.
KRAFT-lok
fills better—
cleaner
closes tighter—
faster
without extra valve
attachments or
troublesome inserts
Gilman PAPER CO.
St. Marys Kraft Corp.
Gummed Tape Div.
The Coltmarsh Corp.
Kraft Bag Corp.
KRAFT BAG CORPORATION
Gilman Paper Company Subsidiary
630 Fifth Avenue, New York 20, N. Y. • Daily News Building, Chicago 6, Ill.
Completely integrated plants at Gilman, Vermont, and St. Marys, Georgia
*TRADE MARK

o-Chloroaniline, dms., c.l., works, frt. equald ..lb. .70 - —
l.c.l., same basis ..lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald ..lb. .75 - —
o-Chlorobenzaldehyde, dms., works. lb. 1.20 - —
p-Chlorobenzaldehyde, dms., works. lb. 1.33 - —
Chloroform, tech., dms., c.l., dlvd. E. ..lb. .18 - —
l.c.l., same basis ..lb. .19 - —
tanks, same basis ..lb. .17 - —
USP, dms ..lb. .30 - —
2-Chloro-4-nitroaniline, paste, 100% basis lb. .81 - —
4-Chloro-2-nitroaniline, dms., dlvd. lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .34½- —
l.c.l., same basis ..lb. .35½- —
p-Chlorophenol, dms., c.l., frt. equald. lb. .34½- —
l.c.l., same basis ..lb. .35½- —
Chlorophyll, oil soluble, 4%, not fixed, pails, tins, works lb. 4.25 - —
copper fixed 6½% tins, pails, works lb 4.25 - —
Sodium-copper, aqueous soln., 4%, dms., pails, works ..lb. 3.75 - —
8%, pails, dms., works lb. 4.00 - 4.80
14%, dms., works ..lb. 8.90 - —
conc. dom., 50%, dms., works, 100% basis lb.42.00 - —
75%, dms., works, 100% basis lb.45.00 - —
90%-100%, dms., works, 100% basis lb.45.00 - —
imp., 60%, tins, 100% basis. lb.58.00 - —
90%, tins, 100% basis ..lb.58.00 - —
75%, tins, 100% basis ..lb.58.00 - —
Chloropicrin, coml., bots ..lb. 1.50 - —
cyls., 180 lbs frt alld ..lb .95 - —
100 lbs., same basis ..lb. .97 - —
25 lbs. same basis lb 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots ..lb. 6.85 - 9.50
Choline bitartrate, fib. dms., frt adjusted lb. 1.50 - 1.75
Chloride fib. dms., frt. adjusted. lb. 1.50 - 1.75
Dihydrogen citrate, fib. dms., frt. adjusted lb. 1.50 - 1.75
Chromium acetate, soln., 7½%, bbls., works lb. .08½- —
cbys works lb. .10¼ —
Fluoride, bbls., works ..lb. .51 - .52
Green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide NF bots lb. .82 - .89
Yellow, (see Yellow, chrome)
Cinchona bark, NF, red, broken, bgs lb. .35 - .40
yellow, broken, bgs ..lb. .35 - .40
Cinchonidine, cryst., cns. 100-oz. lots. oz. .65 - —
Sulfate cns., 100-oz. lots ..oz. .37 - .40½
Cinchonine cryst. cns., 100-oz. lots. oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½- .30½
Cinchophen NF heavy density, dms. frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium dms., frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic).
Cinnamon, Ceylon, No. 2, bls. ..lb. .50 - .51
"0000," bgs., shipt. ..lb. .60 - .61
Citral, bots., cns. ..lb. 3.50 - 4.50
Citronellal, bots., dms ..lb. 1.85 - 2.50
Citronellol, bots., dms ..lb. 2.00 - 2.55
Civet, artif., bots ..lb.13.75 -15.00
nat., bots ..oz. 7.50 -15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn. ton.19.50 - —
crushed, shed moisture, bulk, c.l., Tenn ton.10.00 - —
purified, bgs., c.l., Tenn ton.20.50 - —
imp., airfloated, bgs., c.l., Atlantic port, long ton.42.00 -45.00
lump, bulk, Atl. port ..ton.27.00 -30.20
China, dom., dry-grd., airfloat, 99%, 325 mesh, bgs., c.l., Georgia, works ..ton.10.00 - —
l.c.l., Georgia, works. ton.15.50 - —
300 mesh, bgs., c.l., Georgia, works ..ton.13.50 -14.50
l.c.l. ..ton.35.00 -36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.20.00 -35.00
powd., bgs., c.l., ex dock net ton.50.00 —
l.c.l., ex whse ..net ton.60.00 -65.00
Clove, Madagascar, bls. ..lb. .64 - .65
Zanzibar, bls. ..lb. .65 - .66
CMC, purif., high vis. (see Gum Cellulose).
standard, low vis., bgs., 23,000 lbs. or over, works, frt. alld ..lb. .60 - —
smaller lots, same basis ..lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works, frt. alld ..lb. .57 - —
smaller lots, same basis lb. .59 - —
tech., high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd., E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd., 100% basis lb. .58 - —
less than 2,000 lbs., dlvd. 100% basis lb. .62 - —
low vis., 80% purity, bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis lb. .39 - —
less than 23,000 lbs., dlvd. E., 100% basis lb. .41 - —
62% purity, bgs. or fib. dms., c.l., dlvd. E., 100% basis, lb. .39 - —
l.c.l., dlvd. E., 100% basis. lb. .41 - —
62% purity, bgs., or fib dms., c.l., dlvd. E., 100% basis. lb. .39 - —
l.c.l., dlvd. E., 100% basis lb. .41 - —
58% purity, bgs., c.l., dlvd. E., net basis lb. .34 - —
basis ..lb. .34 - —
l.c.l., dlvd. E., 100% basis. lb. .36 - —
47½% purity, bgs., c.l., dlvd. E., 100% basis lb. .39 - —
l.c.l., dlvd. E., 100% basis. lb. .41 - —
36½% purity, bgs., c.l., dlvd. E., net weight basis lb. .13½- —
l.c.l., dlvd. E., net wt. basis ..lb. .20 - —

CMC prices W. of the Rockies are 1c. per lb. less than dlvd. E. prices.

Coaltar, crude, resale dms., c.l., ex-whse ..gal. .275 - .30
l.c.l., ex-whse ..gal. .285 - .32
tanks, ex works ..gal. .154 - .165
refined, resale, dms., c.l., ex-whse ..gal. .2850- .3125
l.c.l., ex-whse ..gal. .2950- .3345
tanks, ex-whse ..gal. .1650- .1760
Cobalt acetate, 23.7%, bbls., dlvd lb. 1.37 - —
Carbonate, 46% powd., bgs., dlvd. lb. 2.28 - —
Chloride 24.2% Co., kgs., dlvd. lb. 1.27 - —
Hydrate, 60-61% Co, bbls., dlvd lb. 2.90 - —
Linoleate, fused, 8½% Co., dms. lb. .75¼- —
liquid, 6% Co., dms ..lb. .61 - —
Metal, 97-99% kgs., ex whse ..lb. 2.60 - —
Naphthenate, liquid, 6% Co., dms., dlvd ..lb. .48¼- —
Cobalt nitrate, 20.1% Co, bbls., dlvd. lb. 1.12 - —
Phosphate, powdered, 32.1% Co., kgs., dlvd ..lb. 1.79 - —
Oxide, black, 72½-73½% Co., kgs. lb. 1.96 - —
70-71% Co., kgs ..lb. 1.90 - —
Resinate, fused, 3% Co., dms ..lb. .29¼- —
Sulfate, cryst. 21% Co., dms., dlvd ..lb. .63 - —
monohydrated, 33% Co., dms. dlvd ..lb. 1.49 - —
Tallate, 6% Co., dms., dlvd ..lb. .43¾- —
Cocaine, USP, cns., 10-oz. lots oz.17.80 - —
Hydrochloride, cns., 100-oz. lots.oz.13.75 - —
Cochineal USP gray, bgs. ..lb. .80 - .90
Cocillana bark, bgs ..lb. .40 - —
Cocoa butter, bgs ..lb. 1.05 - —
Codeine, NF, cns., 100-oz. lots ..oz.13.25 - —
Hydrochloride, cns. 100-oz lots.oz.11.75 - —
Phosphate USP cns. 100-oz lots oz.10.25 - —
Sulfate, USP, cns. 100-oz. lots oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls ..lb. .20 - .22
blue, bls ..lb. .20 - .22
Colchicine, USP, bots., cns. ..oz.33.50 -40.00
Colchicum root, bls ..lb. .45 - .55
seed, bgs ..lb. .80 - 1.10
Collodion USP dms ..lb. .32½- —
flexible USP dms ..lb. .34 - —
Colocynth, pulp, bls ..lb. .25 - .30
Colombo root, bls ..lb. .20 Nom.
Copaiba balsam, cns., dms ..lb. .90 - 1.20
Copper acetate, bbls., c.l., works. lb. .40 - —
l.c.l., works ..lb. .41 - —
Carbonate, 55%, bgs., works ..lb. .253 - .278
Chloride, anhyd., bbls., works lb. .39 - —
crystals, bbls., works ..lb. .26¼- —
Cyanide, tech., bbls., 1,000-lb. lots or more lb. .619 - —
smaller lots ..lb. .639 - —
Gluconate, cns., dms ..lb. 3.00 - 3.24
Copper hydrate, dms., frt. alld. E. Miss lb. .40¼- .40¾
Metal, electrolytic, dlvd., Valley basis lb. .30 - —
Naphthenate, liquid, 8% Cu., dms., frt. alld lb. .23½- —
Nitrate, tech., cryst., bbls., works. lb. .33¼- —
Oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., works lb. .39 - .44½
red, USN type I, 97%, bbls., works lb. .48½- .58
type II, 90%, bbls., works ..lb. .41 - .46½
Oxychloride, bls., works ..lb. .40 - .40½
Quinolinolate fib dms lb. 4.25 - 4.50
Resinate, precip. dms. frt. alld lb. .30 - —
Sulfate, CP, gran., bbls., works lb. .1715- —
cryst., 99%, bgs., c.l., works. 100 lbs.10.35 - —
l.c.l., works ..100 lbs.10.60 -11.35
monohydrated, 35% dms., c.l., works 100 lbs.17.10 -17.85
tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs.22.50 - —
c.l., works ..100 lbs.23.00 -24.50
Undecylenate, dms ..lb. 2.90 - 3.00
Copperas (see Ferrous sulfate).
Copra, Atl., Gulf ports, c.l.f. ton.167.50 - —
Pacific ports, c.l. ..ton.162.50 - —
Coriander seed, Moroccan, bgs. ..lb. .09½- .10
Roumanian, bgs. ..lb. .07½- —
Corn sugar, tanners, chipped, paper bgs. c.l. 60,000 lbs. min. 100 lbs 7.31 - —
l.c.l. ..100 lbs. 7.46 - —
Syrup, 42 dms., c.l. ..100 lbs 7.32 - —
l.c.l. ..100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric Chloride).
Cortisone acetate, NNR, bulk gram. 3.75 - 4.00
Cottonseed meal, 41%, sacked, Memphis ..ton.70.00 - —
30%, sacked, same basis ..ton.68.00 - —
Coumarin cryst. NF cns ..lb 2.94 - 3.15
powd., cns. ..lb. 3.20 - 3.25
Cramp bark, NF, bls ..lb. .85 .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots. cbys. lb. 3.05 - 3.25
Coaltar, crude, tanks, works, frt. adjusted gal. .23 - —
solution, 50%, tanks, works. gal. .2068- —
refd., dms., c.l., works ..gal. .3850- —
l.c.l. same basis ..gal. .4510- —
tanks, same basis ..gal. .2970- —
Wood, beechwood, cbys., dms. lb. 1.60 - 1.65
hardwood, NF, bots., cbys. ..lb. 1.30 - 1.35
pinewood, dms., works gal. .42½- .50½
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms. c.l. frt equald lb. .133 - —
l.c.l. same basis ..lb. .136 - —
tanks, same basis ..lb. .12 - —
USP, non-ret. dms., c.l., same basis lb. 1.43 - —
l.c.l., same basis ..lb. .146 - —
ret. dms., c.l., same basis ..lb. .140 - —
l.c.l., same basis ..lb. .145 - —
tanks, same basis lb. .130 - —
o-Cresol, m.p. over 30°C., ret.-cms., c.l., frt. equald lb. .173 - —
l.c.l., same basis ..lb. .176 - —
tanks, same basis ..lb. .16 - —
29°C., ret. dms., c.l., frt. equald. lb. .16 - —
l.c.l., same basis ..lb. .16½- —
tanks, same basis ..lb. .15 - —
25-29°C., dms., c.l., frt. equald. lb. .153 - —
l.c.l., same basis ..lb. .156 - —
tanks, same basis. ..lb. .14 - —

another million tons
of chlorine . . .
enough to purify America's drinking water for 456 years!
Columbia-Southern® recently completed the production of another million tons of chlorine.
To give you some idea of what such volume represents, it is enough to purify all of America's household water requirements—based on present usage—for the next 456 years! A total of more than 800 trillion gallons of water.
While purification of water continues to be one of the valuable uses of chlorine, numerous other applications require far greater tonnages of this basic chemical.
As the world's leading merchant producer of chlorine, Columbia-Southern has introduced many refinements in its manufacture and has contributed important developments in shipping and handling. It sponsored the introduction of the fusion-welded type tank car and the 55-ton unit tank car, both of which were major advances in the safe and economical transportation of chlorine. It also developed and placed in operation the first fleets of chlorine barges.
Columbia-Southern welcomes the opportunity of serving your chlorine needs.
COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY
ONE GATEWAY CENTER · PITTSBURGH 22 · PENNSYLVANIA
CHLORINE, ALKALIES AND RELATED PRODUCTS · OFFICES IN PRINCIPAL CITIES

p-Cresol—Dimethyl Sulfate

p-Cresol, 98%, dms., c.l., dlvd ....lb. .40 - —
i.c.l., dlvd ....lb. .51 - —
Methyl ether, cns ....lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., i.c.l., works lb. .24¼- .28
Cryolite, nat., indust., bgs., c.l., works 100 lbs.13.00 - —
i.c.l., works 100 lbs.14.25 - —
Insecticide, dealers, bgs., c.l., dlvd 100 lbs.14.00 - —
i.c.l., dlvd. 100 lbs.15.00 - —
Cube root, powd., 5% rotenone, bgs., works lb. .25 - —
Cubeb berries, XX, NF bgs lb .50 - .51
powd., cs. lb. .58 - .59
Cumene, dms., c.l., works ....lb. .12 - —
i.c.l. works ....lb. .14 - —
tanks works ....lb 11 - —
Cumin seed, Iranian, bgs. ....lb. .13½- .14
Moroccan, bgs. ....lb. .15 - —
Turkish, bgs. ....lb. .13½- —
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08½- —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton.55.00 - —
pulv., 21% N, bgs., works unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works, gal. .70 - —
i.c.l., works ....gal. .72 - —
tanks, works ....gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
i.c.l., works, same basis ....lb. .30 - .38¼
tanks, works, same basis ....lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
i.c.l., works ....lb. .35 - —
tanks, works ....lb. .32 - —
Cyclohexylamine, dms., c.l., works, lb. .46½- —
i.c.l., works ....lb. .47½- —
tanks, works ....lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works, cyl.48.00 - —
6 oz. cyls., works cyl.12.00 - —
USP, hospitals, cyls., 40-gal. lots gal. .36 - —
100-gal. lots ....gal. .37 - —
200-gal. lots ....gal. .36 - —

D

2-4-D, bbls., c.l., works, frt. equald, lb. .43½- —
i.c.l., same basis ....lb. .494 - —
Butyl ester, dms., c.l., works lb. .46½- —
i.c.l., same basis ....lb. .51½- .56½
Isopropyl ester, dms., c.l., works, lb. .46½- —
i.c.l., works ....lb. .51½- .56½
Dandelion root, bls ....lb. .35 - .40
DDD, tech., flake, grd., fib. bgs., c.l., works lb. .45 - —
i.c.l., works ....lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis ....lb. .29 - —
fib. dms., c.l., same basis ....lb. .28 - —
smaller lots, same basis ....lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .35 - —
i.c.l., dlvd ....lb. .37 - —
tanks, dlvd ....lb. .32½- —
Deertongue leaves, bls ....lb. .45 - —
Defluorinated phosphate, 13% P, paper bgs., works ton.49.50 - —
14½% P, paper bgs, works ton.48.00 - —
17% P, paper bgs., works ....ton.56.00 - —
18% P, paper bgs., works ....ton.64.35 - —
Degras, common, bbls ....lb. .10 - .12
neutral, less 2% ffa., bbls ....lb. .24 - .25
over 2% ffa., bbls ....lb. .23 - .24
Derris root, 5% rotenone powd., bbls lb. .26 Nom.
d-Desoxyephedrine hydrochloride bots lb.23.00 - —
dl, bots. ....lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 8.95 - —
i.c.l. ....100 lbs 9.10 - —
canary paper bgs. c.l. ....100 lbs 8.69 - —
i.c.l. ....100 lbs 8.84 - —
dark, paper bgs., c.l. ....100 lbs 8.79 - —
i.c.l. ....100 lbs 8.94 - —
white, paper bgs., c.l. 100 lbs. 8.53 - —
i.c.l. 100 lbs. 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs. ....lb. .10½- .11
Dextrose, USP, dms. ....lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .30¼- —
i.c.l., works ....lb. .33¼- —
tanks, works ....lb. .28¼- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¼- —
i.c.l., works ....lb. .33¼- —
tanks, works ....lb. .28¼- —
o-Dianisidine fib. dms. ....lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works, lb. .89¾- .90
i.c.l., same basis ....lb. .90¼- .91
tanks, same basis ....lb. .83 - —
p-Dibromobenzene, bgs., 500-lb. lots. lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
i.c.l., same basis ....lb. .33 - —
tanks, same basis ....lb. .30 - —
Dibutyl sebacate, dms., c.l., works.lb. .68 - —
i.c.l., works ....lb. .68½- .69
tanks, works, dlvd ....lb. .66 - .66½
Tartrate, dms., works, frt. alld lb. .64 - .71
Dibutylamine, dms., c.l., dlvd ....lb. .55 - —
i.c.l., same basis ....lb. .56 - —
tanks, same basis ....lb. .53 - —
Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
i.c.l., works ....lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., works lb. .31½- .32
i.c.l., same basis ....lb. .32 - .33
tanks, same basis ....lb. .30 - —
Sebacate, dms., c.l., works ....lb. .63 - —
i.c.l., works ....lb. .63½- .64
tanks, works ....lb. .61 - —
2,5-Dichloroaniline dms., works lb. .75 - .83
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
i.c.l., same basis ....lb. .13¼- —
tanks, same basis ....lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .16½- —
i.c.l., same basis ....lb. .19 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dms., c.l., works, lb. .05 - —
i.c.l., works ....lb. .05¾- —
tanks, works ....lb. .04¼- —
Dicyclohexylamine, dms., c.l., works, lb. .51 - —
i.c.l., works ....lb. .51¾- —
tanks, works ....lb. .49¾- —
Dicyclohexyl phthalate, fib. dms., c.l., frt. alld., works lb. .58¼- .59
i.c.l., same basis ....lb. .59¼- .60
Dieldrin, dms., frt. alld ....lb. 1.80 - —
i.c.l., frt. alld ....lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd. E, lb. .26¼- —
i.c.l., same basis ....lb. .27¼- —
tanks, same basis ....lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
i.c.l., same basis ....lb. .48 - —
tanks same basis ....lb. .45 - —
Ethanolamines, dms., c.l., dlvd. lb. .67½- —
i.c.l., dlvd ....lb. .68½- —
tanks, dlvd ....lb. .65½- —
Oxalate, dms., c.l., frt. alld lb. .42 - —
i.c.l., same basis ....lb. .43 - —
tanks, same basis ....lb. .40 - —
Phthalate, dms., c.l., dlvd ....lb. .27 - —
i.c.l., dlvd. ....lb. .28 - —
tanks, dlvd. ....lb. .25 - —
Sulfate, dms., c.l., works ....lb. .18¾- —
i.c.l. works ....lb. .19¼- —
tanks works ....lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
i.c.l., same basis ....lb. .51½- —
tanks same basis ....lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
i.c.l., same basis ....lb. .52 - —
tanks, same basis ....lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E, lb. .16½- —
i.c.l., same basis ....lb. .17½- —
tanks, same basis ....lb. .14¾- —
Boriborate, dms., i.c.l. ....lb. .31 - —
Diethyl ether, dms., c.l., works, lb. .46½- —
i.c.l., works ....lb. .47 - —
Monobutyl ether, dms., c.l., works. lb. .23¾- —
i.c.l., works ....lb. .29¼- —
tanks, works ....lb. .27 - —
Acetate, dms., c.l., works. lb. .30 - —
i.c.l., works ....lb. .30½- —
tanks, dlvd. E ....lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .20¾- —
i.c.l., dlvd ....lb. .21½- —
tanks, dlvd ....lb. .19½- —
Acetate, dms., c.l., works lb. .26¾- —
i.c.l., works ....lb. .27¼- —
tanks, dlvd. E ....lb. .25¼- —
Monomethyl ether, dms., c.l., works. lb. .20 - —
i.c.l., works ....lb. .21 - —
tanks, works ....lb. .18½- —
Diethylenetriamine dms., c.l., dlvd E. lb. .43 - —
i.c.l., same basis ....lb. .44 - —
tanks, same basis ....lb. .41¼- —
Diethylstilbestrol, USP, bots., 10-kilo lots. kilo.100.00 - —
1-kilo lot ....kilo.110.00 - —
Digitalis leaves, USP, dom., dms., lb. .90 - 1.10
Digitoxin, USP, bots ....gram. 5.50 - 6.00
Diglycol laurate, dms ....lb. .35 - .38
Oleate, dms ....lb. .31 - —
Stearate, dms ....lb. .26 - .27
Dihexyl sebacate, dms., c.l., works lb. .64 - —
i.c.l., works ....lb. .64½- .65
tanks, works ....lb. .62 - —
Dihydrazine sulfate, dms., works. lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .17 - —
Sulfate, bulk ....gram. .17 - —
2,2'-Dihydroxy-5,5'-dichloro-diphenyl-methane, pure, dms. lb. 2.80 - 3.00
tech., dms. ....lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15½- —
i.c.l., dlvd. ....lb. .16½- —
tanks, same basis ....lb. .13½- —
Phthalate, dms., c.l., dlvd. E. lb. .31 - —
i.c.l. same basis ....lb. .32 - —
tanks, same basis ....lb. .29 - —
Di-isobutylene, dms., c.l., works. lb. .10 - —
i.c.l., works ....lb. .11 - —
tanks, works ....lb. .09 - —
Di-iso-octyl phthalate, dms., c.l., dlvd. lb. .34 - —
i.c.l., same basis ....lb. .35 - —
tanks, same basis ....lb. .32 - —
Sebacate, dms., c.l., works, lb. .63 - —
i.c.l., works ....lb. .63½- .64
tanks, works, dlvd ....lb. .61 - .61½
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .50 - —
i.c.l., same basis ....lb. .51 - —
tanks, same basis ....lb. .48 - —
Dillseed, dewhiskered, bgs. ....lb. .13½- —
nat., bgs. ....lb. .12 - —
Dimethyl anthranilate, cns ....lb. 5.25 - 5.75
Chloroacetal, dms., c.l., works. lb. .45 - —
i.c.l., works ....lb. .50 - —
tanks, works ....lb. .40 - —
Ethanolamines, annyd., dms., c.l., dvld. lb. 1.43 - —
i.c.l., dlvd ....lb. 1.45 - —
tanks, dlvd ....lb. 1.40 - —
70%, dms., c.l., dlvd., 100% basis lb. .55 - —
tanks, dlvd., 100% basis ....lb. .53 - —
Hydroquinone, dms ....lb. 1.70 - 2.75
Phthalate, dms., c.l., works ....lb. .29½- —
i.c.l., works ....lb. .30½- —
tanks, dlvd. ....lb. .27½- —
Sebacate, dms., c.l., works ....lb. 1.27 - —
i.c.l., works ....lb. 1.28 - —
tanks, works ....lb. 1.25 - —
Sulfate, 55-gal., ret. dms., c.l., works lb. .15 - —
i.c.l. works ....lb .16 - —
10-gal. ret. dms., i.c.l., works. lb. .16½- —

MONTROSE
CHEMICAL COMPANY

104-112 LISTER AVENUE
NEWARK, NEW JERSEY

tricresyl phosphate

dioctyl phthalate

dibutyl phthalate

EXCLUSIVE SALES AGENTS

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

Dimethylamine, 25-40%, dms., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .39½- —
tanks, frt. equald lb. .33 - —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
l.c.l., frt. alld lb. .30½- —
tanks, frt. alld lb. .28½- —
N,N-Dimethylformamide dms., works. lb. .34 - .36
tanks, works lb. .33 - —
2,4-Dinitroaniline, dms., frt. equald lb. .57 - —
m-Dinitrobenzene, 85°C., dms lb. .20 - —
89°C., dms lb. .22 - —
2,4-Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- —
l.c.l., frt. alld. E lb. .15¾- —
tanks, frt alld., E lb. .15 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene, oily, dms. lb. .10 - —
refd., 68°C., dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works. lb. .45½- —
l.c.l., works lb. .46½- —
tanks, works lb. .43½- —
Phthalate, dms., c.l., frt. alld. lb. .34 - —
l.c.l., frt. alld. lb. .35 - —
tanks, frt. alld. lb. .32 - —
Sebacate, dms., c.l., works, lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works, dlvd. lb. .61 - .61½
Di-o-tolyguanidine, dms., ton lots, dlvd. lb. .57 - —
smaller lots, dlvd lb. .58 - —
1,4-Dioxane, dms., c.l., works lb. .28¾- —
l.c.l. same basis lb. .29¼- —
tanks same basis lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works. .35 - —
Dipentene, dest-dist., dms., c.l., works gal. .48½- —
l.c.l., works gal. .53½- —
ex-whse. gal. .70 - —
steam-dist., dms., c.l., works, South. gal. .64 - —
dlvd. N. Y. gal. .82 - —
tanks, works, South gal. .50 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .61
Phthalate, dms., c.l., works lb. .51¾- —
l.c.l., works lb. .53¾- —
Diphenylguanidine dms., ton lots lb. .48 - —
smaller lots lb. .49 - .50
Diphenylhydantoin-sodium, USP, dms lb. 5.30 - 5.60
Dipropylene glycol, dms., c.l., frt. alld lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14¾- —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock ton. 70.00 - 72.00
Divinylbenzene, 20-25%, dms., c.l., works lb. .20 - —
l.c.l. works lb. .21 - —
tanks, works lb. .19 - —
40-50%, dms., c.l., works, 100% basis lb. 1.00 - —
l.c.l., works, 100% basis lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald lb. .14½- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .12½- —

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots dlvd:—

Blue, FD & C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb. 17.00 - 17.60
Green, FD & C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb. 22.20 - 22.85
No. 3, cns lb. 35.25 - 35.90
Orange, FD & C, No. 1, cns lb. 3.65 - 3.75
No. 2, cns lb. 4.65 - 4.75
Red, FD & C, No. 1, cns lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb. 22.20 - 22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD & C, No. 1, cns lb. 17.00 - 17.60
Yellow, FD & C, No. 1, cns lb. 10.50 - 11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5, cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No. 1, cns lb. 10.95 - —
Brown, D&C, No. 1, cns lb. 16.10 - —
Green, D&C, No. 5, cns lb. 16.10 - —
No. 6, cns lb. 16.10 - —
No. 7, cns lb. 14.80 - —
Orange, D&C, No. 3, cns lb. 10.95 - —
No. 4, cns lb. 20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb. 20.70 - —
Red, D&C, No. 8, cns lb. 2.85 - —
No. 9, cns lb. 2.85 - —
No. 10, cns lb. 2.30 - —
No. 11, cns lb. 1.85 - —
No. 12, cns lb. 2.65 - —
No. 17, cns lb. 10.95 - —
No. 18, cns lb. 24.00 - —
No. 19, cns lb. 15.45 - —
No. 21, cns lb. 3.60 - —
No. 22, cns lb. 10.95 - —
No. 28, cns lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns lb. 16.10 - —
Yellow, D&C, No. 7, cns lb. 10.95 - —
No. 10, cns lb. 13.50 - —
No. 11, cns lb. 13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext., D&C, No. 1, cns lb. 16.10 - —
Green, Ext., D&C, No. 1, cns lb. 16.10 - —
Red, Ext., D&C, No. 1, cns lb. 13.50 - —
Yellow, Ext., D&C, No. 1, cns lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.

20 Chrysoidine Y lb. .74 - —
27 Fast light orange 2G lb. .90 - —
31 Phloxine 2G lb. .74 - —
36 Yellow 2G lb. .83 - —
40 Orange R extra, conc lb. 1.06 - —
57 Fuchsine 6B lb. 1.08 - —
79 Scarlet 2R lb. .81 - —
151 Orange AD lb. .55 - —
161 Orange RR lb. .66 - —
176 Fast red A lb. .99 - —
179 Rubine XX, conc lb. 1.14 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc. lb. .93 - —
202 Chrome blue black, conc. lb. .75 - —
203 Chrome black T lb. .78 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Brown Y lb. .98 - —
246 Blue black, extra, conc. lb. .95 - —
275 Milling red 3R, conc lb. 2.03 - —
289 Navy blue 3R, conc lb. 1.19 - —
299 Black F, conc lb. 1.54 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.

326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .95 - —
365 Brilliant yellow, conc lb. 2.57 - —
382 Scarlet B lb. 1.82 - —
401 Diazo black BHD lb. .69 - —
406 Blue 2B, extra conc lb. 1.07 - —
419 Red FC, conc lb. 1.12 - —
420 Brown M lb. .98 - —
448 Red 4BX, conc lb. 1.30 - —
518 Diamine sky blue FF, extra, conc lb. 1.50 - —
561 Brown B lb. 2.03 - —
581 Direct black EB lb. .94 - —
593 Green BY, conc lb. .72 - —
596 Yellow Brown K, extra lb. .91 - —
620 Yellow 2G lb. 1.79 - —
640 Yellow XX lb. 1.61 - —
655 Yellow OX lb. 2.04 - —
657 Green V lb. 2.10 - —
662 Brilliant green G lb. 2.79 - —
667 Brilliant milling green 6B, conc lb. 3.68 - —
671 Blue EG lb. 1.70 - —
681 Crystal violet powder lb. 2.15 - —
698 Violet 4BXN lb. 1.74 - —
720 Brilliant blue BBG lb. 1.88 - —
729 Blue B, conc lb. 2.79 - —
749 Red BX lb. 4.33 - —
814 Yellow NN, conc lb. 3.11 - —
841 Safranine GF, extra, conc., lb. 3.17 - —
865 Nigrosine WSJ lb. .75 - —
922 Blue GXX lb. 1.71 - —
978 Black GXCF, conc lb. .32 - —
1034 Alizarine red SC lb. 2.59 - —
1054 Alizarine blue SAPX lb. 2.91 - —
1078 Ailzarine green CG, extra, lb. 2.72 - —
1085 Alizarine blue, black, B lb. 2.33 - —
1096 Golden orange GFD, single paste lb. 1.99 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour index scale or prototype), contract dlvd., No.

1099 Dark blue BO, single paste. lb. 1.75 - —
1101 Jade green N, double paste. lb. 1.98 - —
1106 Blue RS, double paste lb. 2.96 - —
1113 Blue BLFD, double paste lb. 2.25 - —
1150 Olive R, single paste lb. 1.10 - —
1151 Brown R, single paste lb. 1.76 - —
1171 Indigo, synthetic, 20% paste lb. .31 - —
1217 Orange RD, single paste lb. 1.65 - —
p-4 Brown PG lb. 2.30 - —
p-24 Gray L lb. 1.60 - —
p-14 Brown EB lb. 1.51 - —
p-80 Diazo brilliant scarlet ROAD lb. 2.79 - —
p-202 Diazo black VJ, conc lb. 1.74 - —
p-244 Brilliant scarlet BN lb. 1.31 - —
p-313 Naphthol SWF lb. 2.42 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550 lb. .81 - —
Jet No. 551 lb. .89 - —
Brown R, conc lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4B, conc lb. 1.37 - —
Yellow C lb. 1.18 - —
FN, conc lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works:—

Auramine O lb. 1.85 - —
Black, basic blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc lb. 1.71 - —
Brown Bismarck R, conc lb. .86 - —
Chrysoidine, R, extra lb. .60 - —
Y, extra lb. .64 - —

Dimethylamine—Ephedrine Sulfate

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works:—

Fuchsine, conc lb. 3.08 - —
Green, malachite, conc lb. 2.10 - —
Rhodamine, B lb. 4.33 - —
Safranine, Y, conc lb. 2.90 - —
Violet, methyl, B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:—

Azo rubine R, extra conc lb. 1.04 - —
Black, acid blue, B, extra lb. .86 - —
Fast light, 3 G, extra lb. 2.04 - —
Methanil, conc lb. .91 - —
Orange acid, Y, conc lb. .47 - —
Scarlet croceine, MOO lb. 1.45 - —
Yellow, azo, conc lb. .90 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. 1.10 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls lb. 1.15 - 1.17
tanners, bbls lb. .06 - .06½
Elder flowers, bright, bls lb. .35 - .40
Elm bark, grinding, bls lb. .45 - —
powd., bbls., bxs lb. .55 - —
select, bundles lb. .60 - —
Emetine hydrochloride, USP, bots oz. 32.95 - 35.00
Ephedrine, syn., USP, anhydrous, bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tins, 100-oz. lots. oz. .75 - —
Sulfate, cryst., tins, 100-oz. lots. oz. .72 - —
powd., tins, 100-oz. lots oz. .73 - —

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Gen-Flo Latex offers manufacturers the best available balance between resistance to freeze-thaw cycles and high scrubability. Carefully controlled compounding allows paints made with Gen-Flo to tolerate several freeze-thaw cycles without damage to the emulsion. This same paint will provide a highly impenetrable film which can be scrubbed with a brush more than a hundred times without breaking the paint surface. In addition, Gen-Flo offers excellent flexibility, outstanding alkali resistance and adequate adhesion.

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Epichlorohydrin—Gasoline

Epichlorohydrin, dms., c.l., works lb. .39 - —
l.c.l., works lb. .40 - —
tanks, works lb. .37 - —
Epsom salt (see Magnesium sulfate).
Epinephrine, syn., USP, bots., 100-gram lots gram .45 - .55
Ergosterol, unirradiated, cryst kilo. 150.00 - —
Ergot, NF, dms., tin-lined lb. 3.00 - —
Eserine salicylate, bots oz. 29.75 -32.50
Sulfate, bots. oz. 34.50 -35.61
Ether (see specific product).
Ethyl acetate, nat. ferment., 85-88%, dms., c.l., frt. alld lb. .13 - —
l.c.l., frt. alld lb. .14 - —
tanks, frt alld lb. .11 - —
95-96%, dms., c.l., frt. alld. lb. .13¼ - —
l.c.l., frt. alld. lb. .14¼ - —
tanks frt alld lb. .11¼ - —
99%, dms., c.l., frt. alld lb. .13½ - —
l.c.l., frt alld. lb. .14½ - —
tanks, frt. alld lb. .11½ - —
syn., 85-96% dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb. .11 - —
95-98%, dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd. lb. .14¼ - —
tanks, dlvd lb. .11¼ - —
99%, dms., c.l., dlvd lb. .13½ - —
l.c.l., dlvd. lb. .14½ - —
tanks dlvd lb. .11½ - —
Acetoacetate, dms., c.l., dlvd lb. .55 - —
l.c.l., dlvd lb. .56½ - —
Acrylate, dms., c.l., and truck load, works lb. .44½ - —
less than truckload, works lb. .45½ - —
tanks, works lb. .42¾ - —
Aminobenzoate, USP (see Benzocaine).
Benzoate, cns., dms. lb. .74 - .90

Ethyl bromide, tech., 98%, dms., c.l. lb. .41 - —
l.c.l. lb. .43 - —
Butyl ketone, dms., c.l., works lb. .35½ - —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Butyrate, works lb. .80 - 1.02
Carbamate (see Urethane).
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis., 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works lb. .65 - .70
smaller lots, works lb. .67 - .81
Chloride, tech., cyl., c.l., works lb. .20 - .22
dms., c.l. same basis lb. .18 - .20
tanks same basis lb. .10 - —
USP, bots., cyls lb. .22 - .24
Cinnamate, cns lb. 2.71 - 3.45
Ethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .42½ - —
l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .40½ - —
Ether, absolute, ACS, dms lb. .37 - —
anesthesia, UPS, hospitals, 1-lb. cns lb. .89 - —
½-lb. cns lb. .37 - —
¼-lb. cns lb. 1.05 - —
solvent, USP, dms., c.l., dlvd lb. .15¾ - —
l.c.l., dlvd lb. .16¾ - —
tanks, dlvd lb. .13¾ - —
syn., dms., c.l., dlvd. E lb. .12 - —
l.c.l., dlvd. E lb. .13 - —
tanks, dlvd. E lb. .10 - —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
Iodide, cbys., works lb. 3.30 - —
Methacrylate, dms., c.l., and less than truckload, works lb. .51½ - .52

Ethyl morphine hydrochloride, USP, bots. oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms. lb. 1.00 - 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethylorthosilicate).
40% available SiO_2, dms., dlvd. lb. .53½ - —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidine, bbls lb. .88 - —
Ethylamine (see Mono. Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld. lb. .51 - —
l.c.l., frt. alld lb. .52 - —
tanks, frt. alld lb. .50 - —
Ethylbenzene, 99%, dms., c.l. lb. .19½ - .20¼
l.c.l. lb. .20½ - .21¼
tanks lb. .18½ - —
Ethylene dichloride, dms., c.l., dlvd lb. .10¼ - —
l.c.l., same basis lb. .12¼ - —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies, 1c per lb higher.
Glycol, dms., c.l., dlvd. E lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
tanks, same basis lb. .13 - —
Monobutyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd E lb. .21 - —
tanks, dlvd E lb. .18½ - —
Monoethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E lb. .21 - —
tanks, dlvd E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .18½ - —
l.c.l., dlvd E lb. .19½ - —
tanks, dlvd. E lb. .16½ - —

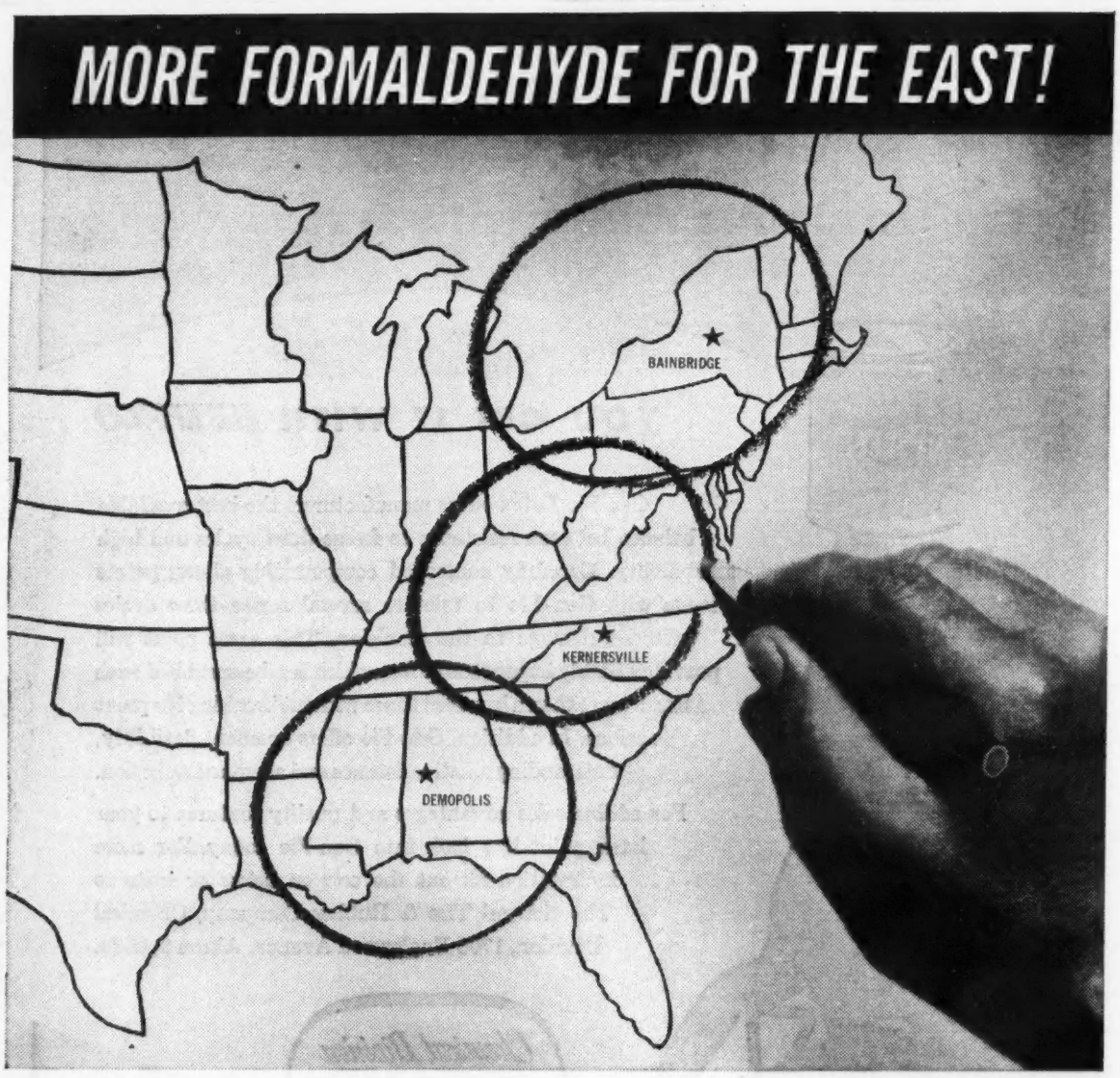
Ethylene glycol monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E lb. .21 - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .28¾ - —
l.c.l., dlvd. E lb. .29¼ - —
tanks, dlvd. E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E lb. .21 - —
l.c.l., dlvd. E lb. .24 - —
tanks, dlvd. E lb. .15 - —
Trichloride (see Trichloroethane).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots lb. 6.75 - 7.30
smaller lots lb 7.35 7.40
Eucalyptol, USP, cns., dms. lb 1.40 1.50
Eugenol, USP, bots. lb. 2.70 - 3.55
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton. 19.50 - —
Feldspar in bags $3 per ton higher.
Fennel seed, Argentine, bgs lb. .10 - —
Czech, medium, bgs. lb. .10½ - .11
Indian, light, bgs. lb. .10½ - .11
Fenugreek seed, Moroccan, bgs. lb. .06¼ - .06½
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
soln., USP IX, cybs. lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb. 13.00 -14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 8.00 - —
indust., cryst., bbls., c.l., works. 100 lbs. 4.75 - 5.25
l.c.l., works 100 lbs. 5.75 - 6.25
42° Be, cbys., c.l., works. 100 lbs. 7.25 - 8.25
tanks, frt. equald., 100% basis 100 lbs. 3.25 - —
USP, cryst., dms., works lb. .07½ - .09
Citrate, gran., dms lb. .86 - —
Glycerophosphate, NF, powd lb. 4.75 - 4.85
Hydrophosphite, NF, dms lb. 3.45 - —
Naphthenate liq., 6% Fe., dms., frt. alld lb. .25¾ - —
Oxalate, gran., dms lb. .85 - .87
Phosphate, NF, soluble, gran., pearls, cs lb. .54 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6¾% Fe, dms., frt. alld. lb. .29 - —
Stearate, dms., c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ton. 31.75 -33.75
l.c.l., works ton. 34.75 -40.75
Ferric-ammonium citrate, brown, NF, gran., dms lb. .59 - —
green, USP XII, gran., dms lb. .59 - —
Oxalate, fine gran., dms lb. .25½ - .28½
Ferric-potassium, oxalate, fine gran., dms lb. .30½ - .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½ - .28½
Ferrous gluconate, NF, dms lb. .88 - —
Sulfate, gran., bgs., c.l., works. ton. 34.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs. 3.35 - 4.25
bbls., c.l., works ton. 40.00 - —
bulk, c.l., works ton. 27.00 - —
USP, cryst., bbls., dms lb. .09½ - .10
Fir balsam, Canada, cns gal. 34.00 -35.00
Oregon, bbls gal. No prices.
Fishliver oil (see Oil fishliver).
Fishmeal, menhaden, ground, domestic, 60% protein, bags, Balto area ton. 135.00 - —
Fishscrap, menhaden, dried, 60% protein, bags, Balto area ton. 130.00 - —
Fluorspar, dom., acid grade, bulk, c.l., mine ton. 60.00 - —
ceramic grade, 93-96% CaF_2, grd., bulk, c.l., mine ton. 57.50 - —
85-92% CaF_2, grad., bulk, c.l., mine ton. 47.00 - —
metallurgical grade, briquets, pellets, 65% CaF_2, bulk, c.l., mine ton. 34.00 - —
lump, 59-65% effective CaF_2, bulk, c.l., mine ton. 40.00 - —
washed gravel, 59-60% effective, CaF_2, bulk, c.l., mine ton. 40.00 - —
60-65% effective CaF_2, bulk, c.l., mine ton. 40.00 -41.00
65-70% effective CaF_2, bulk, c.l., mine ton. 42.00 - —
70% or better, effective CaF_2, bulk, c.l., mine ton. 43.00 - —
Formaldehyde, NF, (inhibited), dms., c.l., Zone 1, dlvd lb. .062 - —
Zone 2 lb. .065 - —
l.c.l., dlvd lb. .069 - —
tanks, Zone 1, dlvd lb. .0375- —
Zone 2, dlvd lb. .0420- —
methanol-free (uninhibited), tanks, Zone 1, dlvd lb. .0345- —
Zone 2, dlvd lb. .0395- —
Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines. ton. 19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton. 17.50 - —
calcined, bgs., c.l., same basis ton. 20.00- .21.75
oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton. 16.50 -17.00
200-mesh, bgs., c.l., same basis ton. 17.50 -18.00
spent, bgs., c.l., shipt. point ton. 4.50 - 5.00
Furfural, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks, dlvd. E lb. .12 - —
tanks, dlvd. W lb. .13 - —
Fusel oil, refined, dms., c.l., dlvd lb. .17½ - —
l.c.l., dlvd. lb. .18½ - —
tanks, dlvd lb. .15 - .15½
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½ - —
No. 2, bbls., l.c.l. lb. .45½ - —
No. 3, bbls., l.c.l. lb. .43½ - —
liquid, No 1, bbls., l.c.l. lb. .22½ - —
No. 2, bbls., l.c.l. lb. .21½ - —
No. 3, bbls., l.c.l. lb. .19 - —
solid, No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, 100% basis, bbls., frt alld lb. .73 - —
Gammapicoline (see g-Picoline).
Gasoline, tanks, refy., ex tax, Arkansas, 84 octane gal. .11¼ - —
Group 3, 84 octane gal. .1073- .11375
Gulf coast, 83 octane gal. .116 - —
N. Y. Harbor, 86 octane gal. .1245- —
Penn. western US motor 86 octane gal. .1375- .1415
natural, group 3, 26-80 octane gal. .04½ - —



New Maine-to-Florida service by Borden

Why bother with the trouble and expense of maintaining large storage tanks? With the opening of new facilities at Kernersville, North Carolina, Borden offers fast deliveries and dependable service for all eastern formaldehyde users. If you're within 300 miles of a Borden source (see circles on map above) shipments are generally by truck. Beyond, figure on tank cars. Drums are available from all three shipping points.

Borden has a full range of formaldehydes including extra-economical 44% inhibited or uninhibited and 37% inhibited or uninhibited. Or if you require a special formula, Borden makes formaldehyde to meet your specifications. Write for a quotation to: The Borden Company, Chemical Division, Dept. OP-84, 350 Madison Avenue, New York 17, New York.

INDUSTRIAL CHEMICALS
THE Borden COMPANY
CHEMICAL DIVISION

FORMALDEHYDE • HEXAMETHYLENETETRAMINE • RESORCIN • CASEIN • UREA-PHENOLIC-POLYVINYL-EPOXY-RESINS

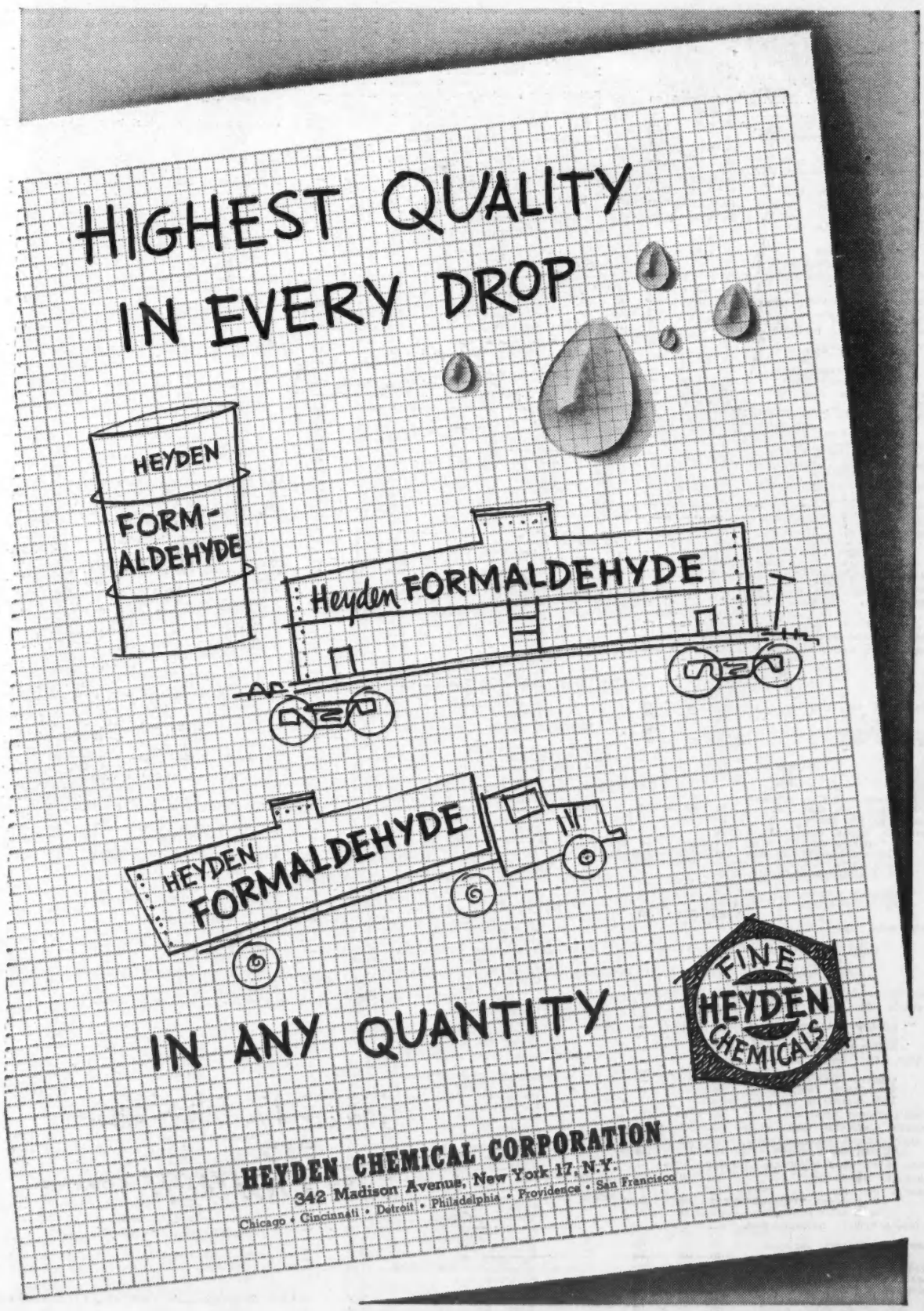
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .57 - —
150 Bloom test, bbl., c.l. lb. .68 - —
200 Bloom test, bbl., c.l. lb. .74 - —
225 Bloom test, bbl., c.l. lb. .77 - —
275 Bloom test, bbl., c.l. lb. .84 - —
Gelsemium root, bls lb. .23 - .24
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd., bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 1.90 - 2.20
standard, cns., dms lb. .60 - 1.00
Geranyl acetate, cns lb. 1.45 - 2.20
Ginger, oleoresin, NF, from African root, bots lb. 4.00 - 7.75
from Jamaican root, bls lb. 6.00 - 10.25
Root, African, bls lb. .31 - —
Jamaica, No. 1, bgs. lb. .45 - .50
No. 2, bgs. lb. .36 - —
No. 3, bgs. lb. .34 - —
Rhattoon, bgs lb. No prices.
Nigerian, split, bgs lb. .28 - —
Glauber s salt, anhyd see Sodium sulphate)
Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd lb. .18 - —
104 jellygrams, same basis lb. .23½ - —
131 jellygrams, same basis lb. .24 - —
164 jellygrams, same basis lb. .24½ - —
191 jellygrams, same basis lb. .25 - —
222 jellygrams, same basis lb. .26 - —
packers' 40 jellygrams, bgs., c.l., dlvd lb. .15½ - —
65 jellygrams, same basis lb. .16½ - —
86 jellygrams, same basis lb. .17 - —
115 jellygrams, same basis lb. .17½ - —
135 jellygrams, same basis lb. .18½ - —
164 jellygrams, same basis lb. .19½ - —
renderers' 100 jellygrams, bgs., c.l., dlvd lb. .15 - —
Bone glue, l.c.l., prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .18 - —
95-121, bgs., c.l., dlvd lb. .20 - —
122-149, bgs., c.l., dlvd lb. .22 - —
150-177, bgs., c.l., dlvd lb. .24 - —
178-206, bgs., c.l., dlvd lb. .26 - —
207-236, bgs., c.l., dlvd lb. .28 - —
237-266, bgs., c.l., dlvd lb. .30 - —
267-298, bgs., c.l., dlvd lb. .32 - —
299-330, bgs., c.l., dlvd lb. .34 - —
331-362, bgs., c.l., dlvd lb. .36 - —
363-394, bgs., c.l., dlvd lb. .37 - —
395-427, bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .39 - —
461-494, bgs., c.l., dlvd lb. .40 - —
495-529, bgs., c.l., dlvd lb. .41 - .42
Hide glue l.c.l. prices 1c. higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks, works lb. .23 Nom.
soaplye, 80%, tanks, works lb .21 Nom.
refd., BP, 98%, dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
dynamite, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .29½ - —
l.c.l., dlvd lb. .30 - —
tanks, dlvd lb. .29 - —
yellow, distilled, dms., c.l., dlvd. lb. .30 - —
l.c.l., dlvd lb. .30½ - —
syn., dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Glycerine).
Glyoxal, 30% dms., c.l. works lb. .18½ - —
l.c.l. works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz. 22.50 - 23.00
acid-yellow, bots oz. 20.00 - 20.50
Golden seal root, NF, tested, bls lb. 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorphous, powd., bgs., fib. dms. ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, tanks, dlvd lb. .04⅜ - —
house, tanks, dlvd lb. .05⅜ - —
white, choice, not all hog, tanks, dlvd lb. .07½ - —
yellow, tanks, dlvd lb. .05⅜ - —
Green, brilliant, thioflavin, toner, molybdated, PMA, bgs., works lb. 5.10 - —
tungstated, PTMA, bgs. works lb. 6.00 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis. lb. .39 - —
31-45%, bbls., same basis. lb. .40 - —
45-49%, bbls., same basis. lb. .43 - —
50%, bbls., same basis lb. .48 - —
reduced color, 25%, bbls., same basis lb. .19 - —
Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .39¼ - —
l.c.l., same basis lb. .39¾ - —
Dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works. lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
paste, kgs. lb. .33 - —
Grindelia robusta herb, bls lb. .44 - —
Guaiacol, NF, cryst., dms., tins lb. 2.10 - 2.15
liquid, cbys., dms lb. 2.30 - 2.40
Carbonate, NF VII, dms lb. 3.40 - 2.45
Gum, aloe (see Aloe).
Arabic, amber, sorts, bgs lb. .19 - —
powdered, USP, bbls lb. .23 - .24
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose, bgs., 23,000-lb. lots or more, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - —
Copal, Congo, No. 1, bgs lb. 20 - .22
No. 2, bgs. lb. .18 - .19
No. 3, bgs. lb. .16 - .17
Gum, copal, Manila, C, bags lb. .38 - .40
CBB, bgs lb. .27 - .29
DBB, bgs lb. .24 - .26
DK, bgs lb. .20 - .22
dust, bgs lb. .11 - .12½
MA, soft, bgs lb. .18 - .20
WS, bgs lb. .32 - .36
Philippine, pale, chips, bgs lb. .23 - .25
nubs, bgs lb. .30 - .32
seeds, bgs lb. .15 - .17
sorts, bgs lb. .20 - .22
Pontianak, chips, bgs lb. .21 - .23
nubs, bgs lb. .38 - .40
Dammar, Batavia, A/E, cs lb. .27 - .29
dust, bgs lb. .16 - .18
E, bgs lb. .20 - .22
East India, batu, bold, bgs lb. .14 - .15½
nubs and chips, bgs lb. .08½ - .09½
black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13 - .14
nubs, bgs lb. .18 - .20
Siam, cs lb. .35 - .37
Singapore, No. 1, bgs lb. .39 - .41
No. 2, bbls lb. .29 - —
No. 3, bbls lb. No prices.
dust, bgs lb. .16½ - .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. fill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .15½ - —
wood-rosin type, dms., c.l., same basis lb. .15 - —
Karaya, NF, powd., No. 1, bbls lb. .38 - —
No. 2, bbls lb. .28 - .29
No. 3, bbls. lb. .24 - .25
Locust bean, powd., bgs lb. .31 - .33
Myrrh, cs lb. .38 - .40
Opium (see O).
Gum, olibanum siftings, cs lb. .15 - .20
tears, cs. lb. .22 - .30
Rosin (see R).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs lb. 2.85 - 2.90
No. 2, cs lb. 2.45 - 2.50
No. 3, cs lb. 1.60 - 1.70
powdered, USP, bbls lb. 1.25 - 1.35
Gypsum, plaster of paris, 100-lb. paper, bgs., trucks, dlvd. N. Y. C ton 20.30 - —
terra alba, domestic, same basis. ton 19.00 - —
works, N. Y. C. ton 16.00 - —
imported, English, 100-lb. paper bags, ex dock, N. Y. C. ton 55.00 - —
ex warehouse ton 60.00 - 62.00

H

Hawthorn berries, bgs. lb. .28 - .32
Heliotropin, cryst., cns lb. 3.50 - 4.25
Hellebore root dom green, bls lb. .55 - .65
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 2, bbls., l.c.l. lb. .47 - —
No. 2, bbls. l.c.l. lb. .43 - —
No. 3, bbls. l.c.l. lb. .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No. 5, bbls., l.c.l. lb. .37 - —
paste, No. 1 bbls. l.c.l. lb. .20½ - —
Henbane leaves, bls lb. .35 - .40
Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾ - —
Borger, Tex gal. .14¾ - —

Gelatin—l-Histidine Hydrochloride

Hesperidin methylphalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .232 - —
smaller lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP, dms., 500-lb. lots or more, same basis lb. .40½ - —
smaller lots, same basis lb. .41½ - —
Hexamine (see Hexamethylenetetramine).
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½ - —
Borger, Tex gal. .15½ - —
1-Hexanol, dms., c.l., works lb. .34½ - —
l.c.l., works lb .35 - —
tanks, works lb .33 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - 7.50
Salicylate, dms. lb. 1.75 - —
Hexylene, glycol, dms., c.l., dlvd lb. .14½ - .16
l.c.l., dlvd lb. .15½ - .17
tanks, dlvd. lb. .12½ - .14
n-Hexyl methacrylate, dms., less than truckload, works lb. .71 - —
Hexylresorcinol, USP dms., 50-lb lots or more, dlvd lb. 14.00 - —
smaller lots, dlvd lb 14.50 - —
Histamine diphosphate, USP, bots. kilo 454.00 —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works. kilo 80.00 - 85.00
1-5 kilo lots, works kilo 90.00 - 95.00



Homatropine Hydrobromide—Methyl Lactate

Homatropine hydrobromide, USP bots oz 9.35 -10.00
Methylbromide, USP, bots oz. 8.50 - 9.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.00 - —
Horehound herb, bls lb. .16 - .19
Hydrastine bots oz.29.50 -31.00
Hydrochloride, NF, bots oz.29.50 -31.00
Sulfate, bots oz.25.00 -27.00
Hydrastinine 10-grain bots hot 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Lake Charles lb. 3.00 - 3.30
Hydrate, 100%, ret. dms., Lake Charles lb. 1.75 - 1.95
85% ret. dms., same basis lb. 1.35 - 1.55
Hydroturamide dms. fib cans, works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works lb. .45 - —
l.c.l., works lb. .55 - .60
Fluoride, anhyd., cyls., works lb. .27½- .29
tanks, works lb. .21 - —
Peroxide, 100 dms. dlvd lb. .03¾ - .05
35%, cbys., dlvd lb. .228 - —
dms., c.l., dlvd lb. .202 - —
l.c.l., dlvd. lb. .211 - —
tanks, dlvd. lb. .1800- —
Hydroquinone photo grade bbls dms lb 98 1.06
tech. dms., c.l. frt. equald lb 77 —
l.c.l. frt equald lb 88 —
Hydroxycitronellal, cns lb. 5.10 - 6.00
Hoscine salts (see Scopolamine.)
Hyoscyamine, bots oz.15.75 -16.00
Hydrobromide, bots oz.11.00 -12.00
Sulfate, bots oz.10.50 -11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liquid No 1 bbls. l.c.l. lb .35 - —
No. 2, bbls., l.c.l. lb. .27 - —

I

Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots lb 17.00 -21.00
Inositol, bots., dlvd lb 5.00 —
dms., dlvd. lb 4.50 4.75
Insect flowers (see Pyrethrum)
Iodine, crude, kgs lb. 1.15 - —
resub., USP, bots., pars lb. 2.55 - —
Iodochlorohydroxyquinolin, USP, dms lb. 5.90 - —
Iodoform, NF, dms., kgs lb 4.90 5.00
a-Ionone, cns lb. 3.85 - 8.25
b-Ionone, cns lb. 4.30 -11.25
Methyl (see under M)
Ipecac, root, bgs lb. 8.00 - —
powd., bbls., bxs lb. 8.50 - —
Irish moss, bleached, prime, bls lb. .30 - .35
Iron Compounds (see Ferric or Ferrous).
Isoborneol, cns lb. 1.25 - 1.70
Isobornyl acetate, cns lb. .62 - .95
formate dms lb 80 —
Propionate dms lb 1.15 1.45
Isobutyl acetate, perfume grade, cns lb. .75 - 1.00
solvent grade dms c.l dlvd E. of Rockies lb. .13¼- —
l.c.l., same basis lb. .14¼- —
tanks, same basis lb. .11¼- —
Isobutyraldehyde, dms., dlvd lb .50 —
Isoeugenol, cns lb. 3.45 - 4.25
Isoniazid, powd., bulk, 25-kilo lots or more kilo.23.00 -25.50
smaller lots kilo.24.00 -26.00
Isopentane, coml. grade, tanks, f.o.b. Tex. refy gal. .15½- —
Isonicotinic acid hydrazide (see Isoniazid).
Isophorone, dms., c.l., works lb. .24¼- —
l.c.l., works lb. .24¾- —
tanks, works lb .22½- —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., dvld. lb. .12 - —
l.c.l., same basis lb. .13 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd lb. .07 - —
l.c.l., dlvd lb. .08 - —
tanks, dlvd lb .05 - —
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works lb. .65 - 1.25

J

Jalap root, NF, bls lb. .38 .55
powd., bbls. bxs lb 49 .66
Juniper berries, bgs lb 16 .18
Tar, NF, dms lb .42 .60

K

Kaolin (see also Clay, China)
NF, powd., fib. dms lb. .08 - .16½
colloidal, fib. dms lb. .15 - .15½
Kerosene, tanks, refy., Ark 42-44 specific gravity, w w gal. .095 —
California, 40-43 s.g., w.w gal. .138 - .148
Gulf ports, 41-43 s.g., w.w.gal. .09¼- .09¾
N. Y. Harbor, 43-44 s.g., w.w. gal. .105 - —
Okla.Tex., 42-44 s.g., w.w gal. .09½- .10
Penn., Western, 45 s.g., w.w. gal. .103 - .12
Kola nuts, bgs lb .12 - —

L

Lactose, crude, bgs., c.l., works lb. .15 - —
edible, fib. dms., 30 000-lb. lots, works lb. .22 - —
2,000-lb. lots, works lb. .22¾- —
200-1,800-lb. lots, works lb. .23¼- —
Edible lactose in bgs., lc. lower.
USP, fib. dms., 30,000-lb. lots, works lb. .24 - —
2,000-lb lots, works lb. .24¾- —
200-1,800-lb. lots, works lb. .25¼- —
USP lactose in bgs., lc. lower
Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .33 - .36
USP, anhyd., dms., works lb. .30 - .33
hydrous, dms., works lb. .29 - .32
Lard, cash, dms., Chicago lb. .18 - —
Larkspur seed, bgs lb. .20 - .23
Lauryl chloride, dist., dms. c.l., works, frt. equald lb. .74 - —
l.c.l., same basis lb. .75 - —
Methacrylate, normal, dms., c.l. or truckload lb. .65½- —
Lavender flowers, medium bls lb 55 .60
ordinary, bls lb. 16 .20
select, bls lb 90 —
Lead acetate, white, cryst., bbls lb. .23 - —
gran. bbls lb. .22 - —
powd., bbls lb. .23 - —
NF, cryst., gran., powd lb. .31 - .32
Lead arsenate, acid powder, dealers, 3-lb. bgs, or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½- —
l.c.l., frt. alld lb. .28½- —
1-lb. bgs., c.l. lb. .41½- —
l.c.l. lb. .42½- —
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld lb. .14¾- —
l.c.l., same basis lb. .15¾- —
Carbonate (see Lead, white).
Chloride dms lb. .45 - —
Iodide, NF V jars lb. 3.52 - —
Linoleate, fused, 26½% Pb, dms. lb. .33 - —
Metal, pigs, prime, N. Y. lb. .14 - —
St. Louis lb. .1380- —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .32¼- —
10,000-20,000-lb. lots same basis lb. .33¾- —
2,000-10,000-lb. lots, same basis lb. .34¼- —
200-2,000-lb. lots, same basis. lb. .34¾- —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l., works, frt. equald lb. .1495- —
l.c.l., same basis lb. .1545- —
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .17½- —
24% Pb, dms., dlvd lb. .23¾- —
solid, 37% Pb dms., dlvd lb. .31¼- —
Nitrate, bbls lb. .22¼- —
Orthosilicate gel., 50% PbO_2 dms., works lb. .32¾- —
60% PbO dms works lb. .31¾- —
Peroxide, powd., tech., bbls lb. .38¾- .40¼
Phthalate, dibasic, dms., works lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. equald lb. .16½- —
l.c.l., same basis lb. .17 - —
97% Pb_3O_4, bbls., c.l., same basis lb. .16¾- —
l.c.l., same basis lb. .17¼- —
98% Pb_3O_4, bbls., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17¼- —
Resinate, precip., 23% Pb, dms., dlvd lb. .31 - —
Salicylate, normal, dms., works lb. .46 - —
Sulfate (see Lead, blue, basic sulfate; Lead, white, basic sulfate).
Tallate, liquid, 16% Pb, dms. lb. .15¼- —
24% Pb, dms lb. .20¼- .20½
White, basic carbonate, bgs., c.l., shipt. point, frt. alld lb. .16½- —
l.c.l., same basis lb. .17½- —
basic silicate, bgs., c.l., shipt. point, frt. alld lb. .15½- .17¾
l.c.l., same basis lb. .16½- .18¾
basic sulfate, bgs., c.l., shipt. point, frt. alld lb. .14¾- —
l.c.l., same basis lb. .15¾- —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works lb. .15 - .17
l.c.l., same basis lb. .15½- .17½
unbleached, non-ret. dms., c.l., same basis lb. .13 - .15
l.c.l., same basis lb. .14½- .16½
dl-Leucine, dms., works lb.12.25 -15.00
Licorice root, whole, bbls. lb. .08 - .12
gran., bbls. lb. .12 - .17
powd., bbls. lb. .10 - .15
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½- —
l.c.l., works lb. .06¾- —
Lime, agricultural, bulk, works ton.14.50 - —
Chemical (quicklime) lump pebble bulk Adams, Mass ton 12.50 - —
Annville, Pa ton 11.50 - —
Austin, Texas ton 9.50 - —
Bellefonte, Pa. ton.11.50 - —
Buffalo, N. Y ton.14.00 - —
Cedar Hollow, Pa ton.11.50 - —
Duluth, Minn ton.12.50 - —
El Paso, Texas ton.14.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton 12.50 - —
Hannibal, Mo ton.10.00 - —
Keystone, Ala ton 10.25 - —
Kimballton, Va. ton.10.25 - —
Knoxville, Tenn ton 10.50 - —
Lee, Mass. ton.12.50 - —
Lewisburg, Ohio ton.10.00 - —
Limedale, Ark ton.10.00 - —
Los Angeles, Cal ton.25 10 -26.84
Marble Cliff, Ohio ton 10.00 - —
Martinsburg, W. Va. ton.11.00 - —
Mosher, Mo. ton.10.75 - —
Nelson, Ariz. ton.14.50 -23.65
Quincy, Ill ton.10.00 -13.00
Reddick, Ia ton 13.50 - —
Scotrock, Ala. ton.10.25 - —
Springfield, Mo ton 12.25 - —
Winooski, Vt ton 15.50 - —
Woodville, Ohio ton 11.50 - —
York, Pa ton 15.50 - —
Hydrated, paper bgs., Adams, Mass. ton.15.50 - —
Annville, Pa ton.14.50 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa ton.14.50 - —
Buffalo, N. Y ton 16.00 - —
Cedar Hollow, Pa ton.14.50 - —
Chicago, Ill ton 15.00 - —
Duluth, Minn ton.14.00 - —
El Paso, Texas ton 17.50 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Hannibal, Mo. ton.12.00 - —
Keystone, Ala ton 13.50 - —
Kimballton, Va ton 13.50 - —
Knoxville, Tenn. ton.13.00 - —
Lee, Mass ton 15.50 - —
Lewisburg, Ohio ton 14.00 - —
Limedale, Ark ton.12.00 - —
Marble Cliff, Ohio ton 13.50 - —
McNeil, Tex. ton 13.00 - —
Meneminee, Mich. ton.14.00 - —
Mosher, Mo ton 13.00 - —
North Tazewell, Va ton 12.75 - —
Quincy, Ill. ton.10.00 -12.00
Reddick, Fla ton.16.00 - —
Scotrock, Ala ton 13.50 - —
Springfield, Mo. ton.12.25 - —
Winooski, Vt ton 15.50 - —
Woodville, Ohio ton 14.50 - —
York, Pa ton.14.50 - —
Spray, paper bgs., Adams, Mass. ton.17.00 - —
Annville, Pa ton 17.00 - —
Austin, Texas ton 13.00 - —
Bellefonte, Pa ton 17.50 - —
Carey, Ohio ton 11.00 - —
Duluth, Minn. ton.15.00 - —
Engle, W. Va. ton.14.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 16.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Lee, Mass ton 17.00 - —
Lewisburg, Ohio ton.16.00 - —
Marble Cliff, Ohio ton 16.00 - —
McNeil, Tex. ton.16.00 - —
Meneminee, Mich ton 14.00 - —
Mosher, mo. ton.13.00 - —
North Tazewell, Va ton 12.75 - —
Reddick, Fla. ton.16.00 - —
Rockland, Me. ton.10.00 - —
Springfield, Mo ton.12.25 - —
Scotrock, Ala. ton 13.50 - —
Winooski, Vt. ton.17.00 - —
Woodville, Ohio ton 16.50 - —
York, Pa ton.15.50 - —
Lime salts (see Calcium).
Lime-ammonia nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 5.95 - 6.70
ex lignaloe wood oil, dms lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 5.35 - 6.25
96-98%, dms lb. 6.75 - 7.15
ex petitgrain, bots lb. 3.90 - 5.25
Lindane, 25% formulation, dealers, dms., works lb. 1.58 - —
99%, tech., dealers, dms., dlvd., lb. 3.10 - —
Linden flowers with leaves, bls lb. .34 - .35
without leaves, bls lb. .40 - .41
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton.61.00 -62.00
extracted, 36%, bulk, same basis. ton.56.00 -57.00
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .15½- —
l.c.l., same basis lb. .16½- —
Lithium benzoate dms lb. 1.65 - 1.67
Bromide, NF bbls., works, frt. equald lb. 2.10 - 2.75
Carbonate, tech., c.l., dlvd lb. 1.00 - —
l.c.l., same basis lb. 1.05 - 1.20
Chloride, cryst., dms lb. 1.22 - 1.28
Citrate, NF, bbls., dms., kgs lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots lb. 2.15 - —
ton lots lb. 2.20 - —
less ton lots lb. 2.25 - —
Hydride powd. dms., works lb 12.00 -14.00
Hydroxide, monohydrate, dms., ton lots lb. 1.10 - —
Salicylate, dms lb. 1.60 - 1.70
Lithopone, ord., bgs., c.l., dlvd lb. .07½- —
l.c.l., dlvd. lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Litnopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls lb. .45 - —
Lobeline sulfate, bots., works oz.29.50 -33.50
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No 2, bbls l.c.l lb. .39 - —
liq., No. 1, bbls., l.c.l. lb. .20 - —
No 2, bbls. l.c.l. lb. .19 - —
No 3, bbls., l.c.l. lb. .18½- —
solid, No. 1 lb. .35 - —
Lycopodium, cs lb. 1.50 - —
dl-Lysine hydrochloride, bots. kilo.140.00 -150.00

M

Mace, Siauw, No. 1, bls. lb. 1.30 - —
West Indian, No. 1, bls. lb. 1.29 - —
Magnesia, calcined, tech., ctns. works lb. .32 - .34¼
syn. rubber grade, light bgs., works lb. .23 - .25
extra light, works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls lb .36 - .38
Magnesite, chemical grade, calcined powd., bgs., c.l., works, frt. equald ton 82.50 - —
dead burnt, standard grain, bulk, c.l., Chewalah, Wash ton.38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equaled lb. .09½- —
l.c.l., frt alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
c.l. frt alld lb .12¼ —
bbls., c.l., frt. equald lb. .11¾- —
c.l. frt alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
l.c.l. frt alld lb .14 - —
Magnesium carbonate is quoted frt. alld. to N J except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county Pa Frt equald with N Y C on all other destinations.
Chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
l.c.l., same basis lb. .14 - .15
hydrous, 99% flake, bgs., c.l., works ton.50.00 - —
l.c.l., bgs ton.55.00 -105.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.40 - 5.50
Hydroxide, NF, medicinal, bbls., dms kgs lb. .26½- .30
Metal, 99.8% ingots, cs., works lb. .27 - .2829
sticks, cs., works, frt alld. on carlots lb. .46 - .48
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulfate, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Malathion, dms., works lb. 1.05 - —
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
l.c.l., dlvd. E lb. .28 - —
Prices on maleic anhydride W of Rockies, 1½c. higher
Mandrake root, bls lb. .32 - .34
Manganese acetate, bbls., dlvd lb. .35 - —
Arsenate, bgs lb. .16 - —
Borate, tech, bbls lb. .24 - —
Manganese carbonate, bbls., works, lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, paper bgs., gross for net, works. ton.88.00 - —
paper-lined burlap bgs. works ton 91.50 - —
dms., works ton.94.00 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots $3 per ton higher
Gluconate, dms lb. 1.79 - 1.93
Glycerophosphate, NF, fib dms lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .36 - —
Hypophosphite, NF, dms lb. 3.52 - —
Linoleate, liq., 4.35% Mn., dms. lb. .32½- —
solid, precip., 8.2% Mn., bbls. lb. .37½- —
Metal, cs., dlvd. East lb. .30 - .32
Naphthalene, liq., 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn., dms lb. .23 - —
precip., 6½-7% Mn., dms lb. .27 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton.80.50 - —
l.c.l., dlvd. S. E ton.87.50 - —
Tallate, 6%, dms lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton.69.00 -70.00
So. American, 30% tannin, c.l., ex dock ton.55.00 -58.00
Mannitol, coml., dms., works lb. .40 - .43
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb lots, works lb. .33½- —
smaller lots, works lb. .38½- —
Menadione, USP, bots. gram. .06 - .06½
Menthol, nat., USP, Brazilian, cs. lb. 8.65 - 8.75
Japanese, cs lb.13.00 - —
syn., USP, racemic, cns lb. 5.45 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib. dms. ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .48 - —
less ton lots, same basis lb. .50 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.58 - —
gran. or powd., dms., 50-lb. lots or more lb. 4.38 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.34 - 6.39
Iodide, red, NF, fib. dms lb. 7.27 - —
yellow, NF, fib. dms lb. 7.52 - —
Oxide, red, NF, powd., fib. dms. lb. 5.42 - 5.46
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 5.64 - —
Mercurous chloride (see Calomel).
Mercury, ammoniated (see White precipitate USP).
Metal, 76 lbs. per flask, net flask.293.00-294.00
Mesityl oxide, dms., c.l., dlvd lb. .1350- —
l.c.l., dlvd. lb. .1450- —
tanks, dlvd. lb. .1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Choloraniline)
Metanitroaniline (see m-Nitroaniline)
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine)
Metatoluidine (see m-Toluidine)
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt alld gal. .70 —
Prices on natural methanol W of Miss. 3c. higher
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .42 - —
l.c.l., same basis gal. .48 - —
tankwagon, 2-4,000 gals., dvld., Metropolitan areas gal. .30 - —
tanks, dlvd., or 4,000 gal. min., frt. alld gal. .27 - —
4,000 gal. min., frt. equald. with Camden, N. J gal. .25½- —
Zone 2, dms., c.l., or truckload min., frt. alld or dvld gal. .47 —
l.c.l., same basis gal. .53 - —
tankwagon, 2-4,000 gals. min., dlvd. Metropolitan areas, gal. .35 - —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .32 - —
Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetretramine).
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98% fib. dms. same basis lb 3.00 - —
97% fib dms same basis lb 2.97 - —
Methoxychlor, 50% wettable powder, dealers dms cs. frt. alld lb. .61 .66
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
l.c.l., same basis lb. .21 - —
hydrogenated, non-ref., dms., c.l., dlvd., zone 1 lb. .21 - —
l.c.l., same basis lb. .21½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss, Ala., Ga., Fla., S. C. and Tenn.
Acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
syn., dms., c.l., frt. alld. E. gal. .57 - —
l.c.l., frt. alld. E gal. .63 - —
tanks, frt. alld E gal. 45 - —
Synthetic methyl acetone E. territory in all States East of and including Colo., Mont., N. Mex. and Wyo. West territory in all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .44½- —
less than truckload, works lb. .45½- —
tanks, works lb. .42¾- —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E lb. .15 - —
l.c.l., dlvd. E lb. .16 - —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Anthranilate, cns. lb. 2.50 - 2.65
Benzoate, cns., dms lb. .53 - .65
Bromide jobbers, cyls., various sizes works lb. .47 .61
Cellulose, special, vis. (1,500-4,000 cps.) 50-lb bgs., c.l., works lb. .78 - —
2,000-lb. lots and more, same basis lb. .65 - —
smaller lots, frt. alld. on 100 lbs lb. .89 - 1.00
standard vs. (15,-400 cps.), 50-lb., c.l., alld lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .85
Chloride, indust., cyls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11½- —
refrigerator mfrs., cyls., dlvd lb. .40 - .42
other consumers or service men, cyls., dlvd lb. .57 —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl ketone, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Formate, refd., dms lb. .35 - .40
tech. non-ret dms., any quantity, works lb .06 —
tanks works lb. .07 —
Heptin carbonate, bots lb.33.00 -42.00
p-Hydroxybenzoate, fib. dms lb. 1.90 - 2.00
Ionone, standard, cns., dms lb. 3.80 - 4.65
Isobutyl carbinol, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
Ketone, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd. lb. .16 - —
tanks, dlvd. lb. .13 - —
Lactate, dms. l.c.l., works lb. .35 —

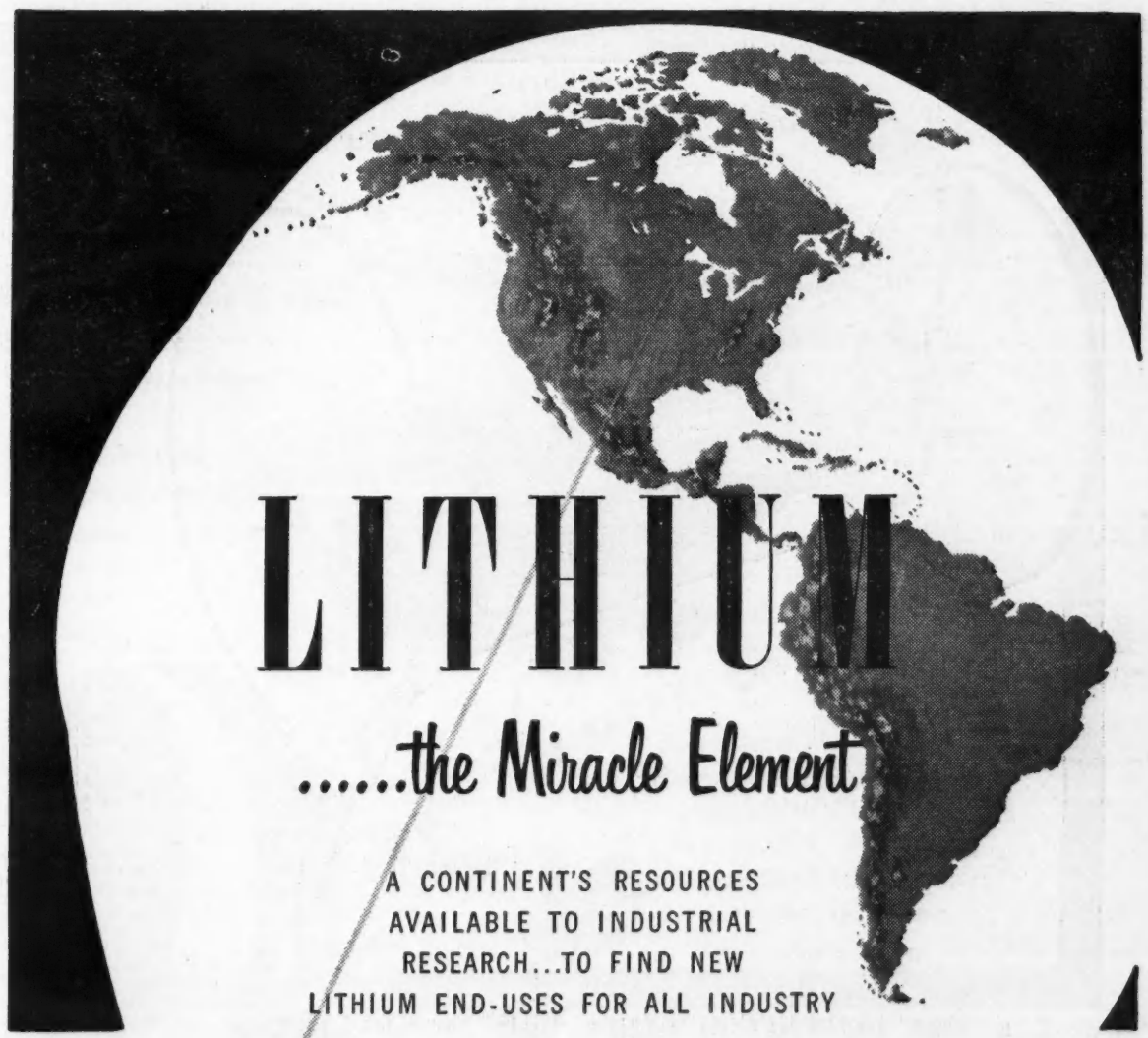
Methyl methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J lb. .36½- —
smaller lots, same basis lb. .37 - —
tanks same basis lb. .35 - —
Naphthyl ketone, cryst., cns lb. 3.60 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Roseaniline chloride, NF, fib. dms. lb. 5.44 - —
Salicylate, USP, cns., 50 lb. lots.lb. .58 - —
dms. lb. .53 - —
Testosterone, USP, 100-gram bots. gram. .79 - —
2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .47½- —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 - 3.60
smaller lots, same basis lb 3.40 3.60
Chloride, indust., dms., c.l., dlvd. E. lb. .13½- —
Methylnonone A cns lb 6.55 8.80
D, cns lb 7.50 9.55
prime cns lb 4.55 6.40
standard, dms., cns lb. 3.80 - 4.65
b-Methylnaphthalene, 32°C m.p., dms., works lb. .90 - —
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone (see 1-Phenyl-3-methyl-pyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works.lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¼- —
l.c.l., ex-whse. or frt. alld. E lb. .07 - —
paint, or lacq., bgs., c.l., works, frt. alld lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
rubber, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
wallpaper, bgs., c.l., works, frt. alld., E lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08¼- —
white, extra, fine bgs., c.l., works, frt. alld. E lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
Mica, wet-grd. W. of Miss R. ½c. higher. W. of Rockies, 1c. higher.
Milk powder, non-fat, roller, bgs., c.l. lb. .12 - .1535
spray, bgs., c.l. lb. .14 - .1610
whole, roller, bgs., c.l. lb. No prices.
spray, bgs., c.l. lb. .27 - .31
Sugar (see Lactose).
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10½- .11
New York gal. .12 - —
Molybdenum metal, 98% Mo powd., kgs lb. 3.00 - 3.25
Trioxide, pure, kgs., works, basis Mo. content lb 1.40 - —
technical kgs works basis Mo. content lb 1.15 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Monochlorobenzene dms., c.l., frt. alld. or dlvd. E lb. .11½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10 - —
Monochlorobenzene prices in the West, 1¾c higher.
Monoethanolamine, dms., c.l., dlvd. E lb. .25¼- .26¾
l.c.l., same basis lb. .26¼- .27¾
tanks, same basis lb. .23½- .25
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd E lb. .33 - —
l.c.l., dlvd. E lb. .34 - —
tanks, dlvd. E lb. .31 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylortnotoluidin (see N-Ethyl-o-toluidine).
Monoisopropylamine, dms., c.l., dlvd. lb. .30½- —
l.c.l., same basis lb. .31½- —
tanks, same basis lb. .28½- —
Monomethylamine 25%-40% dms., c.l., frt. equald., 100% basis. lb. .37 - —
l.c.l., 100% basis lb. .37½- —
tanks, 100% basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m-cresol).
Morphine cns oz. 12.40 -12.60
Acetate, anhyd., cns oz 9.95 -10.00
Hydrobromide, cns oz 9.90 9.95
Hydrochloride, NF, cns oz 9.90 9.95
Sulfate, USP, cns oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾ —
l.c.l., dlvd. E lb. .55¾- —
tanks, dlvd. E lb. .52¾- —
Musk, nat., Tonquin grains, bots. oz. No stocks.
syn., ambrette, 100-lb. lots, fib. dms. lb. 5.15 - —
25-lb. lots, cns lb. 5.20 - —
5-lb. lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb. lots, cns lb. 5.35 - —
5-lb. lots, cns lb. 5.45 - —
xylol, 100-lb. lots, fib. dms lb. 1.40 - —
25-lb. lots, cns lb. 1.45 - —
5-lb. lots, cns lb. 1.50 - —
Mustard seed, Danish, yellow, bgs.lb. .11 - .11½
Dutch, yellow, bgs lb. .11 - .11½
English, yellow, bgs lb. .12 - .12½
Montana, Oriental, bgs lb. .09 - —
yellow, bgs. lb. .11½- —
Myrobalans, J-1, assorted, bgs., ex dock ton. 47.00 -48.00
crushed, bgs., ex dock ton. 63.00 - —
ordinary, bgs., ex dock ton. 43.00 - —
extract, Indian, solid 53% tannin, exdock, plus duty, bgs. lb. .07¼- —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74° tanks, frt. equald lb. .045 - —
78°, dms., c.l., same basis lb. .059 - —
l.c.l., same basis lb. .0615- —
tanks, same basis lb. .05 - —
imported, 78°, large lots lb. .04½- .04¾
refd., indust., dom., chipped or crushed, bgs., frt. equald. lb. .10½- —
flake, bgs., same basis lb. .11½- —
tanks, same basis lb. .09¾- —
Naphthalene, refd., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .13¾- —
cs., 50 lbs., c.l., same basis lb. .14 - —
1-lb pkgs c.l. same basis lb. .16¼- —
a-Naphthol, bbls., frt. alld lb. 1.00 - —
b-Naphthol, resublimed dms., works. lb. .75-½- —
tech., bbls., c.l., works lb. .32½- —
l.c.l., works lb. .34½- —
Benzoate, fib. dms., works lb. 3.00 - —
custom contract, works lb. 1.65 - —
Salicylate, dms lb. 5.00 - —
Sulfate, cns lb. 35.00 - —
a-Naphthylamine, bbls., frt. alld lb .50 - —
b-Naphthylamine, tech., bbls., works. lb. 1.05 - 1.10
Neocinchophen, USP dms., frt. adjusted lb 7.00 8.00
Neomycin, fib. dms., 100-kilo lots, basis, activity gram. .60 - —
1-kilo lots, basis, activity, gram. 1.20 - —
Nerolin, cns lb. 2.45 2.65
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate bbls., dlvd lb. .75 - .83½
Carbonate, bbls, dlvd lb. .71 - .78
Chloride, bbls, dlvd lb. .37 - 45
Formate, bbls., ton lots, frt alld. lb. .64 - .65
Metal, electro cathodes, cs, works lb. .60 - —
Nitrate, bbls, works lb. .36 - .37
Oxide, black, bbls lb. .69 - —
Sulfate, bgs., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- .37
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted. kilo. 11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt alld lb. 1.20 - —
manufacturers, 500-lb dms., frt. alld lb. 1.03 - —
Niger seed, bgs lb. .14½- .15
Nikethamide, cbys lb. 5.75 - 6.00
m-Nitroaniline, dms., frt. alld lb. 1.05 — —
o-Nitroaniline, flaked, dms lb. .54 - .57
powd., dms lb. .60 - —
p-Nitroaniline, dms., l.c.l., frt. alld. lb. .50½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt alld lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls. same basis lb. .39 - —
l.c.l., same basis lb. .40 - 42
Spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., same basis lb. .41 - —
l.c.l., same basis lb. .42 - .44
5-6, 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l., same basis lb. .41 - 43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.

Methyl Methacrylate—Nutgalls

o-Nitrochlorobenzene, dms. lb. .20 - .21
p-Nitrochlorobenzene, dms. lb. .26 - .27
2-Nitro-4-chlorophenol, dms. lb. .75 - —
Nitroethane dms dlvd E of Rockies lb 25 —
Nitrogen solution, tanks, frt. equald, 37-40.8% N, 100% basis ton. 126.00 - —
Nitrogenous process leakage bulk works, unit-ton. 3.65 - —
Sewage sludge bulk works unit-ton. 2.75 + 50
Nitromethane dms. l.c.l. dlvd E. of Rockies lb. .25 —
a-Nitronaphthalene, bbls, frt. alld. lb. .41 - —
Nitropropane 1, dms. dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
l.c.l., works lb. .24¾- —
tanks, works lb. .22¾- —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., works, frt. equald lb. .50 - —
o-Nitrotoluene, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
p-Nitrotoluene, dms., works lb. .33 - .36
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether, conc., bots 100-lb. lots lb. 1.28 - 1.33
Nonyl phenol, dms., c.l., frt. alld. lb. .30¾- —
l.c.l., frt. alld lb. .31¾- —
tanks, frt. alld lb. .29 - —
Nutgalls, Aleppo, bgs. lb. .38 - —
Chinese, bgs lb. .45 Nom.



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Nutmeg—Oil, Sandalwood

Nutmeg, East Indian, whole, bgs lb. .38 - —
shrivels, bgs. lb. .37 - —
West Indian, bgs lb. .29½- —
Nux vomica, bls lb .10 - 12
powdered, bbls., bxs lb. .15 - .17

O

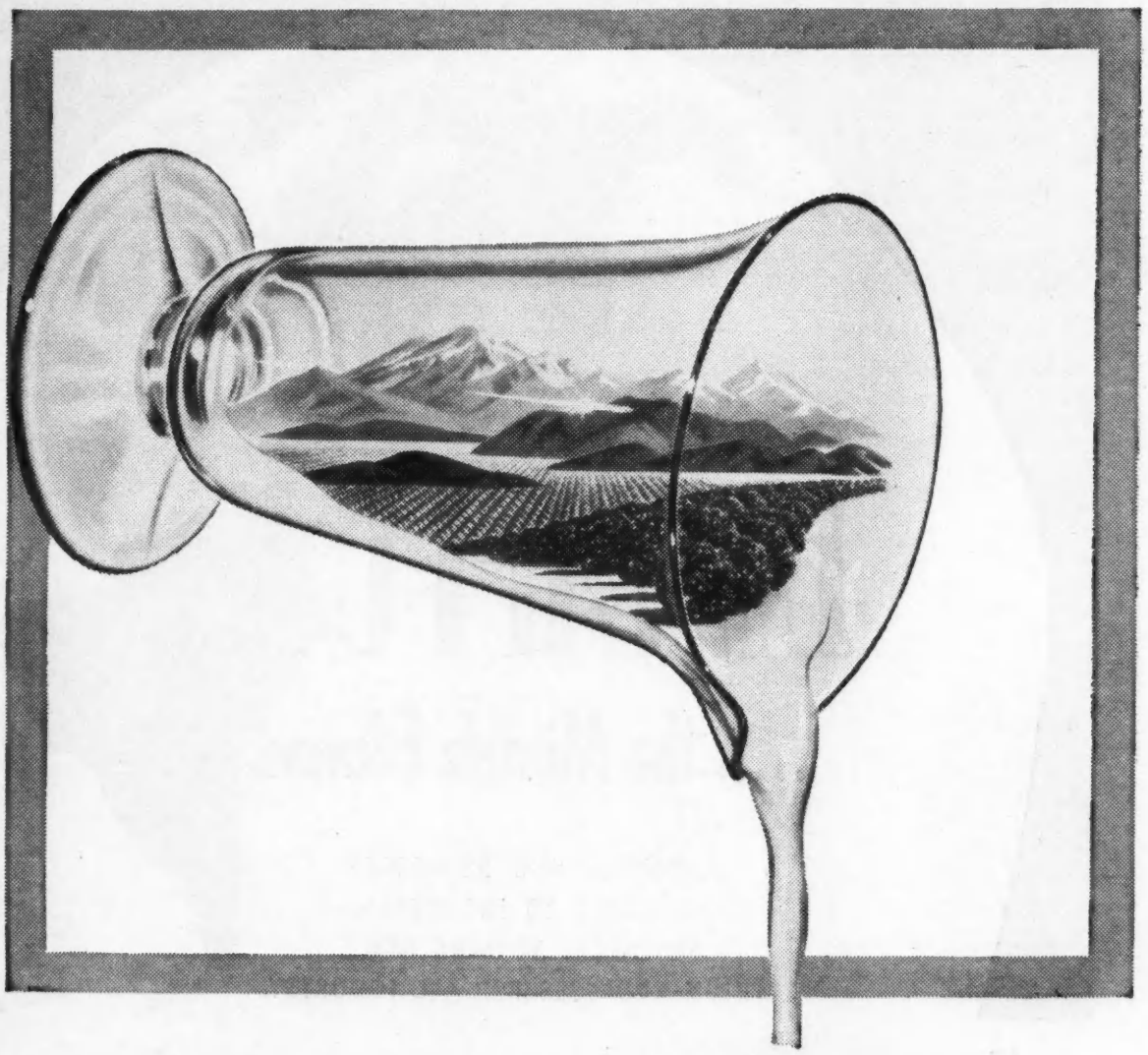
Octane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15¾- —
Borger, Tex gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks dlvd lb. .32½- —
Octyl phenol, dms., c.l., works lb. .23¾- —
l.c.l., works lb. .24¾- —
tanks, works lb. .22¾- —

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies siberica, cns lb. 2.05 - 2.55
Almond, artificial, bitter (see Benzaldehyde)
natural, bitter, F.P.A., bots lb 3.00 - 3.40
NF, bots. lb. 3.25 - 3.75
sweet, USP, dms., cns lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.40 - 1.85
Angelica root, bots lb.66.00 -100.00
seed, bots lb.56.00 -85.00
Aniline (see A).
Anise, USP, dms lb. 3.50 - 4.00
Apricot, kernel, USP, dms lb. .45 - .50
Avocado, cns lb. 3.25 - —
Oil, babassu, crude, tanks lb. No stocks.
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.45 - 1.90
55-60%, cns. lb. 1.60 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.45 - 2.25
Bergamot, nat., NF, Italian, cns. lb.10.75 -13.00
Birchtar, crude, cns lb. 1.75 - 1.90
rectified, NF, cns lb. 2.00 - —
Bois de Rose, Brazil, dms lb. 4.25 - 5.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, native, cns lb. 2.00 - —
redist., USP, cns lb. 2.50 - 3.00
Calamus, bots lb.12.00 -20.00
Camphor, sassafrassy, dms lb. .38 - .45
white, dms. lb. .31 - .38
Cananga, native, cns lb. 7.85 -10.25
rectified, cns lb.12.50 -14.00
Caraway, NF, cns lb. 2.50 - 3.45
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots. lb.37.00 -50.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb. .20 - —
l.c.l. lb. .2150- —
dehydrated, bodied, dms., c.l. lb. .2260- —
l.c.l. lb. .2310- —
tanks lb. .2160- —
unbodied, dms., c.l. lb. .2110- —
l.c.l. lb. .2160- —
tanks lb. .2010- —
hydrogenated, bgs., l.c.l. lb. .2350- .2450
No. 3, tech., dms., c.l. lb. .1775- —
l.c.l. lb. .1825- —
tanks lb. .1675- —
No. 1, Brazilian, tanks lb. .15⅞- .16
sulfonated, 50%, dms., l.c.l. lb. .13½- .14
75%, dms., l.c.l. lb. .17 - .17½
Oil, castor, USP, dms., c.l. lb. .1800- —
l.c.l. lb. .1850- —
tanks lb. .1700- —
refd. and deodorized, dms., c.l. lb. .1950- —
l.c.l. lb. .20 - —
tanks lb. .1850- —
Cedarleaf, cns., dms lb. 2.25 - 3.00
Cedarwood, cns., dms lb. 1.00 - 1.30
Celery seed, bots. lb.14.00 -21.00
Chamomile, blue, Hungarian bots. lb.185.00-280.00
Chinawood (see Oil, tung).
Cinnamon bark, bots lb.28.00 -45.00
leaf, cns. lb. 1.25 - 3.25
USP, cns., dms., (Cassia) lb. No stocks.
Citronella, Ceylon, cns., dms lb. .90 - 1.30
Java, true, dms. lb. 1.00 - 1.20
Java-type, cns. lb. 1.05 - 1.40
Clove, USP, cns., dms lb. 3.25 - 4.50
leaf, unrectified, dms lb 1.90 - 2.20
Coconut, crude, tanks, N. Y. lb. .13½- —
Pac. Coast lb. .12⅜- —
refd., Cochin type, tax incl. ret. dms., l.c.l. lb. .21¼- —
deodorized tax incl. non-ret. dms., c.l. lb. .22½- —
Cod, Newfoundland, dms lb. .09½- .10
Codliver, USP, dms gal. 1.50 - 1.60
Copaiba, cns lb. 1.80 - 2.50
Coriander, USP, bots lb.14.95 -18.00
Corn, crude, tanks, works lb. .14¾- —
foots (soapstock), acid 95%, tanks, N. Y. lb. .05½- —
refd., salad, dms lb. .19½- .19¾
tanks lb. .18 - —
Costus, bots. oz. 9.00 - —
Cottonseed, crude, tanks, South-East lb. .14½- —
Valley lb. .14½- —
Texas lb. .14½- —
Oil, cottonseed, foots (soapstock), acid 95%, tanks, N. Y. lb. .03¼- —
raw, 50% tanks, same basis. lb. .01½- —
refined, salad, dms. lb. .19½- .19¾
tanks lb. .18 - —
Creosote (see Creosote, coaltar).
Crude (see Petroleum, crude).
Cubeb, cns lb. 4.50 - 6.00
Cumin, bots., cns lb. 4.15 - 4.30
Cypress, bots. lb. 5.30 - —
Degras (see D).
Dillseed, bots. lb. 2.80 - 4.25
Dillweed, dom., bots., dms lb. 4.30 - 5.30
Dip (see D)
Erigeron, cns. lb. 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms. lb. .60 - .95
80-90%, dms lb. .75 - 1.25
Fennel, sweet, USP, cns lb. 2.30 - 3.25
Fir, Canada, cns lb. 2.35 - 2.80
Fish, refined, alkali, dms lb. .1350- .1450
kettle-bodied, dms. lb. .1580- .1680
light-pressed, dms. lb. .1200- .1300
tanks lb. .10½- —
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units .10½- .11
100,000 A units per gram, dms. 1,000,000 units. .12 - .14
200,000 A units per gram, dms 1,000,000 units. .12 - .14
300,000 A units per gram, dms. 1,000,000 units. .12 - .14½
400,000 A units per gram, dms 1,000,000 units. .12 - .14½
500,000 A units per gram, dms 1,000,000 units. .12 - .14½

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots oz. 6.50 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb.10.50 -12.00
Bourbon, cns. lb.10.50 -13.50
Turkish (see Oil palmarosa)
Ginger, dist., bots lb. 9.85 -13.50
Grapefruit, dms. lb. 2.50 - 3.25
Grease, No. 1, dms. lb. .12 - .12½
extra, winter, strained, dms lb. .16 - .16½
prime, burning, dms. lb. .17 - .17½
Guaiacwood, cns lb. 1.40 - 1.90
Hemlock, cns. lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots lb. 2.75 - 4.00
twice rectified, bots lb 3.60 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns lb. .65 - —
Lard (see Oil, grease).
Laurel leaf, dms., cns. lb 9.75 -12.50
Lavandin, dms., cns lb. 2.00 - 2.85
Lavender, flower, USP, French, 30-32% ester, cns. lb 2.50 - 4.50
38-40% ester, cns lb. 5.60 - 7.25
40-42% ester, cns lb. 4.75 - 6.90
Spike, Spanish, cns lb. 1.50 - 2.00
Lemon, USP, Calif., cns., dms lb. 6.35 - 8.00
Messina, cns. lb. 6.05 - 8.50
terpeneless, bots lb.32.90 -85.00
Lemongrass, cns., dms lb. 1.50 - —
Lignaloe wood, Mex., cns lb. 3.70 - 4.50
Lime, distilled, Mexican, cns lb. 4.00 - 6.00
West Indian, cs lb. 4.45 - 7.25
expressed, West Indian, cns lb. 7.75 - 8.50
terpeneless, bots lb.29.50 -100.00
Linseed, raw, dms., c.l., N. Y. lb. .1875- —
l.c.l. lb. .1960- .1950
tanks, f.o.b. Minneapolis lb. .1600- —
New York lb. .1725- —
tankwagon, New York lb. .1755- —
Boiled linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms lb. 3.00 - 4.25
Mandarin (see Oil, tangerine).
Menhaden, crude, tanks, Atlantic Coast lb. .07 - —
Gulf ports lb. .07½- —
Mineral, white (see Oil, white mineral)
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. lb. .18 Nom.
synthetic, cans, dms lb. 1.60 - 1.85
Neatsfoot, 15° cold test, dms lb. .33 - .34
20° cold test, dms. lb. .32 - .33
30° cold test, dms. lb .30 .31
Neroli, NF, French, bots lb.85.00 -250.00
Spanish, bots lb.35.00 -85.00
Nutmeg, USP, dist., East Indian, cns., dms lb 2.85 - 3.65
West Indian, cns., dms lb 2.60 - 3.65
Ocotea, cymbarum, dms lb. 1.10 - 1.50
Oiticica, liquid, dms. lb. .18¼- .18¾
tanks lb. .16¾- .16⅞
Oleo, extra, dms lb. .18¼- .18½
Olibanum, bots. lb 5.50 7.65
extra fine, bots lb 8.00 —
Olive edible, dms., duty paid gal. 2.15 - 2.25
Orange, sweet, dist., cns lb. .40 .80
expressed, USP, Brazilian, cns., dms lb No stocks
Calif., cns., dms. lb. .60 - 1.25
Florida, cns., dms. lb. .55 - 1.25
Messina, cns lb. 3.85 - 5.85
West Indian, cns., dms lb 2.50 - 3.65
sesquiterpeneless, bots lb.65.00 -120.00
Origanum, Spanish, cns lb. 1.95 - 2.85
Palm, clarified, dms lb. .1240- .1250
kernel, denat., tanks lb. .12¾ Nom.
Palmarosa, cns. lb. 7.75 - 8.25
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery gal 14 —
Patchouli, dms. lb. 8.00 - 9.50
Peach kernel, USP, (see Oil apricot kernel).
Peanut, crude, tanks, f.o.b. mills. lb. .18½- —
refined, dms lb. .23½- .24
tanks lb. .22¼ Nom.
Pennyroyal, USP, imported, cns lb. 1.60 - 2.40
lb 1.60 2.40
Peppermint, natural, dms. lb. 5.25 - 6.40
redist., USP, dms. lb. 5.60 - 7.00
Persic, USP (see Oil, apricot kernel).
Petitgrain, South American, cns., dms lb. 3.70 - 4.40
Pimento, berry, NF, dms lb. 4.00 - 5.60
leaf, cns. lb. 2.35 - 2.75
Pine, dest-dist., dms., l.c.l., works lb. .11¼- —
ex-whse. lb. .13¼- —
steam dist., dms., ex whse., N.Y.C. lb. .151 - —
Pineneedle, Siberian (See Oil, abies siberica).
Rapeseed, tankcars lb. .17 - —
Red (see Acid, oleic).
Rice bran, clarif., dms. lb. .17 Nom.
tanks, dlvd. E. lb. No stocks
Rose, natural, Bulgarian, bots oz.43.50 -62.25
Rosemary, Spanish, USP, cns., dms lb. .65 - .80
tech., cns., dms lb. .50 - .70
Rue, bots lb. 1.85 - 2.30
Safflower, dms., c.l., Atl. coast. lb. .1910- —
tanks, same basis lb. .1760- —
Sage, clary bots lb.20.00 -25.00
Dalmatian, cns lb. 5.85 - 7.25
Spanish, cns. lb. .90 - 1.25
Sandalwood, NF, cns lb.10.50 -12.00



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Exchange
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Oil, sardine, crude, tanks, Pac. coast..lb. No stocks.
Sassafras, artificial, dms.....lb. .85 - 1.19
natural Brazilian (See Oil, cocoa cymbarum)
domestic, USP, cns., dms..lb. 1.65 - 2.20
Savin, cns.....lb. 2.75 - —
Savory, cns.....lb. 4.25 - —
Sesame, refd., dms.....lb. .36 - .37
Shingle stain, tar distillate, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .35 - —
tanks, works.....lb. .23 - —
Snakeroot, Canada, cns.....lb. 29.50 -31.00
Soybean, crude, tanks, Decatur, lb. .15 - —
foots (soapstock), acid, 95%, tanks, N. Y. lb .08 - —
raw, 50%, tanks, N. Y....lb. .03½- —
refd., alkali, dms.....lb. .19 - .19½
tanks.....lb. .17½- —
clarified, alkali, dms.....lb. .18½- .18¾
tanks.....lb. .17 - —
salad, dms.....lb. .19¼- .19½
tanks.....lb. .17¾- —
Spearmint, USP, dms.....lb. 4.00 - 5.50
Sperm, bleached winter, 45°, dms. lb. .15¾- .16½
tankcars.....lb. .14 - —
nat., winter, 45,° dms.....lb. .1475- .1550
tankcars.....lb. .1300- —
Spruce, cns., dms.....lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.25 - 9.50
Southern, cns.....lb. 2.50 - 3.00
Tall, crude, dms., c.l., works...lb. .03 - —
tanks, works.....lb. .02 - —
dist., dms., c.l., works.....lb. .07¼- .07½
tanks, works.....lb. .06 - —
refd., dms., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. 06½- —
tanks, works.....lb. .05 - .05¼
Tallow, acidless, dms.....lb. .10¼- .10½
Tangerine, Floridian, dms. ....lb. 2.75 - 5.35
Tansy, dms.....lb. 7.75 - 9.00
Tar, pine, coml., dms., c.l., works. gal. .42½- —
l.c.l., works ..... gal. .50½- —
whse .....lb. .0678- —
tanks, works ..... gal. .33½- —
rectified, NF, dms., incl., l.c.l., works, South..gal. .90 - —
whse.. Y C. gal. 1.00 —
Tar acid (see P)
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms lb. 1.70 - 3.75
white, cns. ..... lb 1.95 - 4.00
tech. white, cns .....lb. .40 - 1.85
Tung, dms., c.l., N. Y.....lb. .23½- —
l.c.l., same basis.....lb. .24 - .24¼
tanks, N. Y.....lb. .22 - —
domestic mills .....lb. .23½ Nom.
Turkey red (see Oil, castor, sulfonated).
Turpentine, NF cns., dms lb. 39 - 45
Vetiver, Bourbon, cns.....lb. 14.00 -17.50
Haitian, cns .....lb. 11.80 -21.00
Java, cns.....lb. 22.50 -40.00
Wheat germ, 5-gal. dms .....gal. 10.00 -13.00
White mineral, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. N. Y..gal. .51½- .54½
65-75 vis., non-ret., dms., c.l., same basis gal. .52½- .55
l.c.l., same basis gal. .57½- .58¼
80-90 vis., non-ret., dms., c.l., same basis gal. .53½- .56½
l.c.l., same basis gal. .58½- .59½
125-135 vis., non-ret., dms., c.l., same basis gal. .59½- .62½
l.c.l., same basis gal. .64½- .65½
145-155 vis., non-ret., dms., c.l., same basis gal. .66 - .68½
l.c.l., same basis gal. .71 - .71½
175-185 vis., non-ret., dms., c.l., same basis gal. .69½- .73
l.c.l., same basis gal. .74½- .75
USP, 200-210 vis., non-ret., dms., C.l., same basis..gal. .73½- .75
l.c.l., same basis gal. .77½- .78
345-355 vis., non-ret., dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns. lb. 6.35 -10.30
Southern cns lb. 3.20 -19 50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns.....lb. 6.60 - 8.00
Wormwood, cns .....lb. 5.00 - 6.85
Ylang-ylang, Bourbon, bots....lb. 17.00 -30.00
extra, bots.....lb. 28.00 -40.00
Madagascar bots ..... lb No stocks
Oleostearine, bbls. .....lb. .10½- .10¾
Opium, USP, cns.....lb. 19.20 -19.45
gran., USP, cns.....lb. 21.65 -21.90
powd. USP cns ..... lb. 21 65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, CP., bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.
Dinitroaniline toner.....lb. 1.30 - —
Mineral, American, bbls, l.c.l., works..lb. .1945- .1960
Molybdated, bbls. .....lb. .44 - —
o-Nitroaniline toner, kgs.....lb. 1.15 - —
Orange peel, bitter, Haitian, bls..lb. .14 - .16
sweet, bls .....lb. .16 - .18
Orris root, Florentine, bls. ....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .43
Verona, bls .....lb. .29 - .31
powdered, bbls., bxs.....lb. .35 - .40
Orthoaminobiphenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroanilin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see 2-Nitro-4-chlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenetidin (see o-Phenetidine).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage orange, crystals, No. 1, bbls., l.c.l lb. .42 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Ouabain, USP, bots ..... graza. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb 4.75 - 5.00
smaller lots, works.....lb. 4.93 - 5.17

P

Pancreas substance, assay 1:75 bots., 5-lb. lots or more..lb. 4.00 - —
Pancreatin, USP, bots .....lb. 1.90 - 2.10
Papain, USP, African, bots.....lb. 4.00 - 4.50
Ceylon .....lb. 3.00 - 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25 oz. to 100 oz. lots..oz. 5.00 - —
smaller lots ..... oz 5.05 - 5.20
Sulfate, cns.....oz. 7.10 - 7.35
Paprika, Roumanian, bgs.....lb. .30 - .33
Spanish, bgs. .....lb. .37 - .39
Yugoslavian, bgs. ..... lb. .38 - —
Para-anisidin (see p-Anisidine).
Para-acetylaminobenzaldehyde thiosemicarbazone (see p-Acetylaminobenzaldehyde thiosemicarbazone).
Para-aminophenol (see p-Aminophenol).
Parachloroanilin (see p-Chloroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachloro-orthonitroanilin (see 4-Chloro-2-nitroaniline).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., ref'y lb. .0710- —
fully refd., 122°-124°F, ASTM, slabs loose, c.l., ref'y lb. .0845- —
125°-127°F, ASTM, slabs loose, c.l., ref'y lb. .0845- —
130°-132°F., ASTM, slabs loose, c.l., ref'y lb. .0855- —
132°-134°, ASTM, slabs, loose, c.l., ref'y lb. .0855- —
135°-137°F., ASTM, slabs loose, c.l., ref'y lb. .0855- —
Prices for paraffin in bags and ctns., c.l. 7/10 per lb. higher; 1,000 to 9,999 lbs., 2.7c per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.
AMP temperatures are an arbitrary 8° F. higher than ASTM.
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld..lb. .10¾- —
l.c.l., frt. alld.....lb. .12¼- —
powd., bgs., c.l., frt. alld..lb. .15½- —
l.c.l., frt. alld.....lb. .17 - —
USP X, fib. dms., c.l.....lb. .183 - —
10,000-lb. lots.....lb. .193 - —
1,000-lb. lots.....lb. .193 - —
smaller lots .....lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l. works..lb. .13½- —
l.c.l., works .....lb. .14½- —
tanks, works.....lb. .11½- —
Paranitroanilin (see p-Nitroaniline).
Paranitrochlorobenzene (see 4-Nitro-2-chlorobenzene).
Paranitrophenol (see p-Nitrophenol).
Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion spray powder, 15% dealers, dms., works lb. .48 - .49
tech., dms., works..... lb. 1.62 - 1.64
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paratoluidine (see p-Toluidine).
Paris green, dealer, distributor, dms., c.l., works, frt alld. on 96 lbs. or over lb. .36 - .40
l.c.l., same basis ..... lb. .37 - .53
Passion flower herb, bls.....lb. .20 - .21
Peanut meal, 45%, old process, bgs., mills..ton 82.50 - —
solvent process, bgs., same basis..ton 80.50 - —
Pectin, citrous, NF, powd., bbls lb 2.05 - 2.08
tech. powd bbls lb 1.80 - —
imported, Danish, ex whse .. lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .07½- .08
Procaine, bulk, 1,000,000 units. .07½- .08
Sodium, sterile, bulk, 1,000,000 units. .07½- .08
Pentachlorophenol, dms., c.l., works, frt equald lb 21 - —
l.c.l., same basis .....lb. .24 - .29
truckload, 20,000 lbs. min. same basis lb. .21¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works .....lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, Tex. refy gal. .14¼- —
Pepper, black, Malabar, spot, bgs lb. 1.02 - 1.03
red, Gondar, spot, bgs .....lb. .23 - .30
Japanese, hontaka, bgs.....lb. .35 - —
birdseyes, bgs., new crop lb. .60 - —
Mombasa, bgs., ship't.....lb. .26 - —
Nigerian, bgs.....lb. Nominal.
Turkish, bgs. .....lb. .26 - —
Zanzibar, bgs. .....lb. No prices.
white, bgs. .....lb. 1.02 - 1.03
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imported, bls. ..... lb. 1.25 - —
Pepsin, NF, 1:3,000 bulk.....lb. 3.45 - 3.50
Perchloroethylene, dms., c.l., or truckloads, dlvd. E..dm. 85.00 - —
dlvd. W.....dm. 88.50 - —
l.c.l., dlvd. E.....dm. 95.00 - —
dlvd., dom., W.....lm. 98.50 - —
tanks, dlvd. E.....lb. .10¾- —
dlvd. W.....lb. .11¼- —

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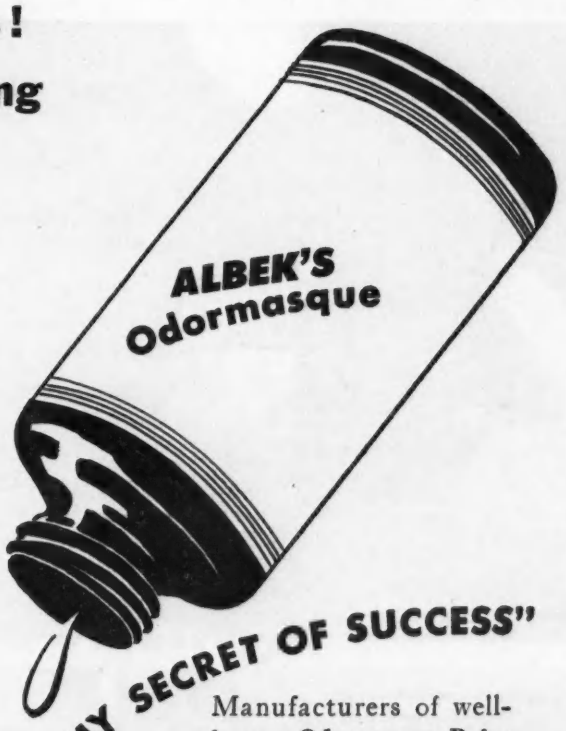

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Peru Balsam—Phosphorus Trichloride

Peru balsam, dms.	lb.	1.30	- 1.70
Petrolatum, amber, dms., c.l., refy.	lb.	.05	- .05⅝
l.c.l., dlvd	lb.	.05¾	- .07
tanks, refy	lb.	.03¼	- .04⅛
cream, dms., c.l., refy.	lb.	.06⅛	- .07⅛
l.c.l., dlvd	lb.	.08⅛	- .08¾
tanks, refy	lb.	.04⅝	- .05⅝
extra, amber, dms., c.l., rfy	lb.	.05¼	- .05⅞
l.c.l., dlvd	lb.	.07	- .07¼
tanks, refy	lb.	.03½	- .04⅜
USP, white, lily, dms., c.l., refy.	lb.	.06¾	- .07½
l.c.l., dlvd	lb.	.08⅞	- .09⅛
tanks, refy	lb.	.04⅞	- .05
snow, dms., c.l., refy	lb.	.07¼	- .07¾
l.c.l., dlvd	lb.	.09⅜	- .09⅝
tanks, refy	lb.	.05⅜	- .05⅞
soft, dms., c.l., refy	lb.	.06¾	- .07¾
l.c.l., dlvd	lb.	.08½	- .08¾
tanks, refy	lb.	.05	- .05⅜
yellow, soft, dms., c.l., refy.	lb.	.05¼	- .05⅞
l.c.l., dlvd	lb.	.06⅞	- .07⅛
tanks, refy	lb.	.03½	- .05⅞
Petroleum, crude, bulk, at wells, California	bbl.	1.42	- 3.53
Illinois	bbl.	2.69	- 2.02
Kentucky	bbl.	2.62	- 3.02
Louisiana-Arkansas	bbl.	2.38	- 3.23
Montana	bbl.	1.53	- 2.90
Oklahoma-Kansas	bbl.	2.48	- 2.90
Pennsylvania, Penn. grade.	bbl.	2.81	- 3.26
Texas, East	bbl.	2.90	- —
Gulf Coast	bbl.	2.63	- 3.23
North, North-Central	bbl.	2.48	- 2.90
Panhandle	bbl.	2.48	- 2.90
West	bbl.	2.35	- 2.90
Wyoming	bbl.	1.53	- 2.90

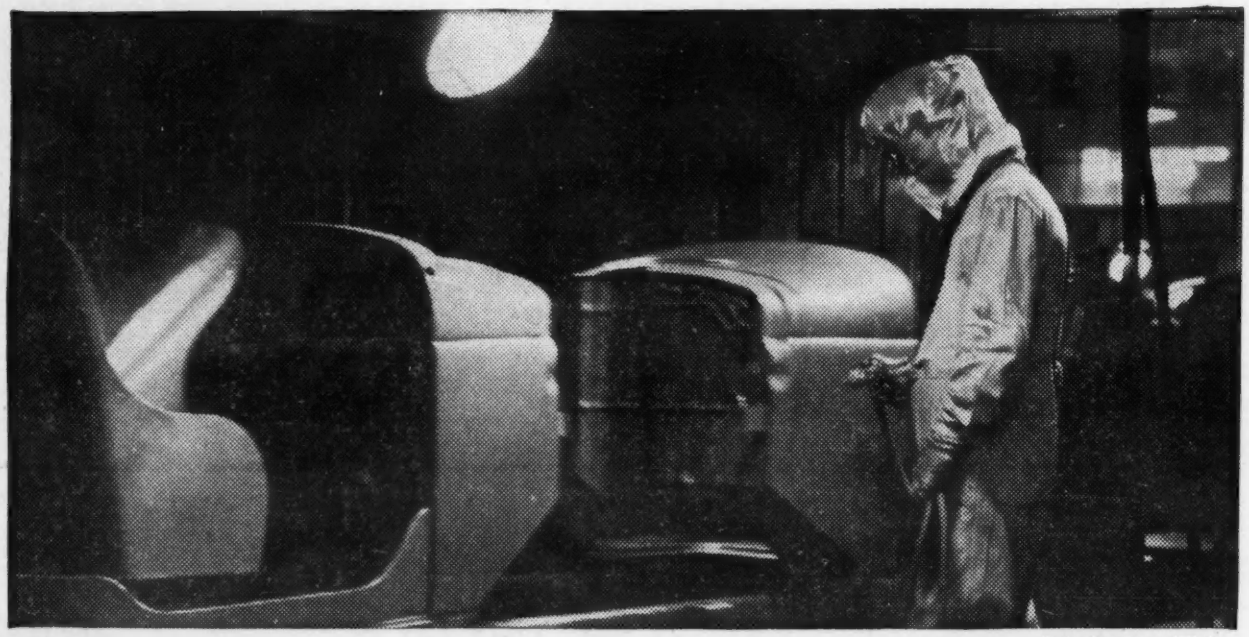
Petroleum, fuel oil, bunker C, No. 6, East Coast, Baltimore, Md.	bbl.	2.25	- —
Boston, Mass.	bbl.	2.29	- —
Charleston, S. C.	bbl.	2.20	- —
Jacksonville, Fla.	bbl.	2.18	- —
New York Harbor	bbl.	2.25	- —
Norfolk, Va.	bbl.	2.23	- —
Philadelphia, Pa.	bbl.	2.20	- 2.23
Portland, Me.	bbl.	2.32	- —
Providence, R. I.	bbl.	2.29	- —
Savannah, Ga.	bbl.	2.23	- —
West Coast	bbl.	1.80	- 2.10
diesel, tanks, refy., California	gal.	.1025	- .133
New York	gal.	.096	- —
Penna., western	gal.	.105	- .1075
furnace, tanks, refy., Arkansas, No. 2	gal.	.08625	- —
No. 3	gal.	.0825	- —
N. Y. Harbor, No. 2	gal.	.0895	- —
Group 3, No. 1	gal.	.08875	- .09
No. 2	gal.	.0825	- .08375
No. 3	gal.	.07875	- .08125
range	gal.	.08875	- .09375
Pennsylvania, western, No. 1,	gal.	.105	- .1185
No. 2	gal.	.105	- .111
No. 3	gal.	.105	- .1075
Lacquer diluent, 150°-240°F., b.r., tanks, West Coast, ex tax, Los Angeles	gal.	.168	- .183
East coast, N. J., N. Y.	gal.	.19	- —
Group 3, benzol-type	gal.	.14125	- .14625
toluol-type	gal.	.13125	- .13375
Mineral spirits, reg., tanks, California, ex tax, San Francisco	gal.	.163	- —
East coast, N. J., N. Y.	gal.	.17	- —
Group 3	gal.	.11875	- —

Petroleum, mineral spirits, reg., tankwagon, Boston	gal.	.19	- —
Buffalo	gal.	.195	- —
Chicago	gal.	.279	- —
Cleveland	gal.	.22	- —
Newark	gal.	.18	- —
New York	gal.	.18	- —
Philadelphia	gal.	.185	- —
Pittsburgh	gal.	.18	- —
Providence	gal.	.195	- —
specially refd., tanks, refy., Watson, Calif.	gal.	.244	- —
Borger, Tex.	gal.	.24	- —
Houston, Tex.	gal.	.24	- —
Wood River, Ill.	gal.	.2625	- —
dlvd. N. J.	gal.	.32	- —
dlvd. N. Y.	gal.	.33½	- —
tankwagon, N. J., dlvd.	gal.	.36	- —
N. Y., dlvd.	gal.	.37	- —
Naphtha, cleaners, tanks, East Coast, N. J., and N. Y.	gal.	.17	- —
Group 3	gal.	.12875	- —
tankwagon, Newark	gal.	.18	- —
New York	gal.	.18	- —
Philadelphia	gal.	.185	- —
High solvency (see Petroleum sovlent, partial aromatic).			
V.M.&P., 225°-300°F., b.r., tanks, West Coast, Los Angeles.	gal.	.168	- —
Portland, Ore.	gal.	.174	- —
San Francisco.	gal.	.173	- —
Seattle, Wash.	gal.	.174	- —
East Coast, N. J., N.Y.	gal.	.18	- —
Group 3	gal.	.12875	- —
tankwagon, Boston	gal.	.205	- —
Chicago	gal.	.289	- —
Cleveland	gal.	.23	- —

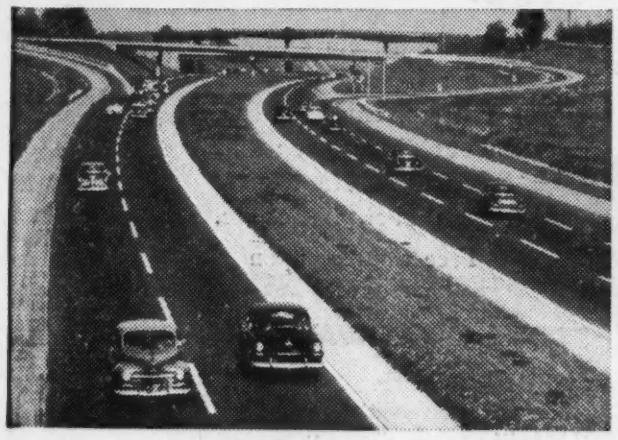
Petroleum, naphtha, V.M.&P., 225°-300° F. b.r., tankwagon, Newark	gal.	.195	- —
New York	gal.	.195	- —
Philadelphia	gal.	.20	- —
Pittsburgh	gal.	.19	- —
Solvent, partial aromatic, tanks, East Coast, N. J., N. Y., 205° 292° F., b.r., 38° 43°C, m.a.p.	gal.	.24	- .26
19°-29°C, m.a.p.	gal.	.29	- .30
256°-383°F., b.r., 31°C, m.a.p.,	gal.	.29	- —
27°-29°C, m.a.p.	gal.	.29	- .29½
19°C. m.a.p.	gal.	.34	- —
310°-392°F. b.r., 30°-38°C. m.a.p.	gal.	.27	- .30
17°-19°C., m.a.p.	gal.	.35	- .38
350°-425° F. b.r., 32°-34° C. m.a.p.	gal.	.30	- .30½
25°C., m.a.p.	gal.	.39	- .39½
18°-21°C., m.a.p.	gal.	.35	- .42½
Rubber, tanks, Cal., ex tax, San Francisco	gal.	.173	- —
East Coast, N. J., N. Y.,	gal.	.18	- —
Group 3	gal.	.12875	- —
Stoddard, tanks, East Coast, N. J., N. Y.	gal.	.17	- —
Group 3	gal.	.12375	- —
Pennsylvania, western	gal.	.15	- —
tankwagon, Boston	gal.	.19	- —
Chicago	gal.	.289	- —
Cleveland	gal.	.22	- —
Los Angeles, ex tax	gal.	.173	- —
Newark	gal.	.18	- —
New York	gal.	.18	- —
Philadelphia	gal.	.185	- —
Pittsburgh	gal.	.18	- —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works	lb.	.16	- .18¼
l.c.l., works	lb.	.17	- .18½
tanks, works	lb.	.14	- .16⅛
50-55% sulfonic content, non-ret. dms., works	lb.	.15½	- —
l.c.l., works	lb.	.16½	- —
tanks, works	lb.	.12½	- —
o-Phenetidine, dms., works	lb.	1.00	- —
p-Phenetidine, dms., works	lb.	1.00	- —
Phenobarbital, USP, dms., 100-lb. lots	lb.	4.00	- —
Phenobarbital-sodium, USP, dms., 100-lb. lots	lb.	4.00	- —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt. alld E. of Rockies	lb.	.15¾	- —
l.c.l., same basis	lb.	.16½	- —
tanks, same basis	lb.	.14	- —
82-84% (cresol 16-18%), non-ret. drums, c.l., same basis	lb.	.15¼	- —
l.c.l., same basis	lb.	.16	- —
tanks, same basis	lb.	.13½	- —
39° or above, tar distilled, non-ret. dms., c.l., same basis	lb.	.17¼	- .17¾
l.c.l., same basis	lb.	.18	- .18½
tanks, same basis	lb.	.15½	- —
USP, synthetic, dms., c.l., frt. alld	lb.	.17¾	- —
l.c.l., same basis	lb.	.18½	- —
tanks, same oasis	lb.	.16	- —
Phenolphthalein, USP, or yellow, bbls., dms., 2,000-lb. lots.	lb.	1.10	- —
smaller lots	lb.	1.12	- 1.17
Phenothiazine, NF, fib. dms., c.l., frt. adjusted	lb.	.53	- —
over 2,100 lbs., same basis	lb.	.55	- —
less than 2,100 lbs., same basis.	lb.	.57	- —
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	- —
Salicylate (see Salol.)			
Phenylacetaldehyde, soln., 50%, bots	lb.	2.40	- 2.70
100%, bots.	lb.	4.00	- 4.65
Phenylacetamide, 125-lb. dms., works	lb.	1.10	- —
smaller dms., works	lb.	1.15	- 1.10
dl-Phenylalanine, dms., works	lb.	27.00	-37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E	lb.	3.60	- —
smaller dms., dlvd. E	lb.	4.00	- —
Phenyldiethanolamine, dms., c.l., dlvd E.	lb.	.40	- —
l.c.l., dlvd. E	lb.	.41	- —
m-Phenylenediamine, dms., frt. alld.	lb.	.90	- —
p-Phenylenediamine, redist., dms., works	lb.	2.00	- —
tech., refd., dms., same basis	lb.	1.10	- 1.35
Phenylethanolamine, d m s., c.l., works	lb.	.69½	- —
l.c.l., same basis	lb.	70	- —
Phenylethyl acetate, bots	lb.	1.35	- 1.95
b-Phenylethylamine, dms., works, 1,000-lb. lots	lb.	1.10	- —
smaller lots, works	lb.	1.15	- 1.40
Phenylethylphenyl acetate, bots	lb.	3.95	- 4.40
Phenylhydrazine base, CP, bots	lb.	3.00	- 3.07
Hydrochloride, commercial, kgs., works	lb.	1.75	- —
purified, bots., works	lb.	5.17	- —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E	lb.	1.70	- —
smaller lots, dlvd	lb.	2.00	- —
o-Phenylphenol, dms., l.c.l., works	lb.	.42	- .44
p-Phenylphenol, bgs., c.l., works	lb.	.35	- —
l.c.l., works	lb.	.39½	- —
Phloroglucinol, coml., fib. dms., works	lb.	6.40	- —
C.P., bots., fib. dms.	lb.	17.00	-17.25
tech., fib. dms., works	lb.	10.45	- —
Phosphate, defluorinated (see under D). Rock, Curacao, Atlantic ports, New Orleans	ton.	43.00	- —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines	long-ton.	4.69	- —
70-68%, b.p.l., c.l., same basis	long-ton.	5.09	- —
72-70%, b.p.l., c.l., same basis	long-ton.	5.74	- —
75%-74%, b.p.l., c.l., same basis	long-ton.	6.74	- —
78-76%, b.p.l., c.l., same basis	long ton.	7.74	- —

The above prices are based on fuel oil at $2.15 per bbl. and labor at $1.28, recent 3c. labor advance currently absorbed.

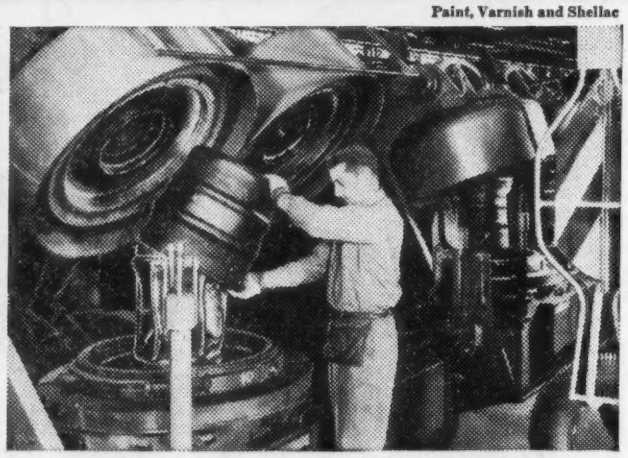
Phosphorus amorph., red, cs.	lb.	.46	- .47
dms.	lb.	.44	- .45
yellow, cns., works	lb.	.48	- .50
dms., c.l., works	lb.	.40	- —
l.c.l., works	lb.	.43	- —
Oxychloride, dms., c.l., works	lb.	.14	- —
l.c.l., dms., works	lb.	.17	- —
tanks, works	lb.	.12½	- —
Pentasulfide, solid, dms., c.l., works	lb.	.11½	- —
l.c.l., dms., works	lb.	.13	- .13⅛
Pentoxide, dms., c.l., works	lb.	.13½	- —
l.c.l. works	lb.	.16½	- —
Sesquisulfide, tins, cs., works	lb.	.29	- —
export, dms.	lb.	.31	- .36
Trichloride, dms., c.l., works	lb.	.14	- —
l.c.l. works	lb.	.17	- —
tankcars, works	lb.	.12½	- —



Paint, Varnish and Shellac



Motor Oil and Gasoline (Additives)



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Ethyl Ether
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PETROHOL 95
PETROHOL 99
JAYSOL
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Secondary Butyl Acetate
Isopropyl Acetate
Acetone
Methyl Ethyl Ketone
Ethyl Ether
Isopropyl Ether
Dicyclopentadiene
Naphthenic Acids
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol

CHEMICAL
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PETROHOL 95
PETROHOL 99
JAYSOL
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol
Tridecyl Alcohol
Dicyclopentadiene
Isoprene
Butadiene
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Isopropyl Ether
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Tripropylene
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Benzene
Acetone
Methyl Ethyl Ketone

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Phthalic anhydride, egs, c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19¼- —
Phthalimide, 97%-98%, dms., works, frt. alld lb. .65 - .70
a-Picoline, ret., dms., c.l., works, frt. equald lb. .43½- —
l.c.l., works, frt. equald lb. .44 - —
b,g-Picoline, 5°, dms., c.l., works. lb. .32½- —
l.c.l., works lb. .33 - —
g-Picoline, 98%, dms., c.l., works. lb. 2.65 - —
Pilocarpine hydrochloride, NF, bots oz 5.25 —
Nitrate, USP, bots., vials oz. 4.80 - 4.90
Pimento, Jamaican, bgs. lb. .94 - —
Mexican, bgs. lb. Nominal
Pink root, bls. lb. 3.00 - 3.25
d-Piperazine hexahydrate, French Codex, bots kilo. 8.00 - 8.50
Piperidine 98% dms., frt. equald. lb. 2.90 - 3.00
Piperonyl butoxide, dms., dlvd. E lb. 4.50 5.30
Cyclonene, dms., dlvd. E lb. 4.20 4.50
Pitch, coaltar, 140°-150°F, m.p. dms., c.l., works ton. 41.20 -42.09
Cottonseed, raw, dms., works lb. .02¼- .03
Linseed dms lb. .06 Nom.
Marine, dms. lb. .04¼- .05
Petroleum (see Asphalt, petroleum).
Soybean dms. works lb. .05 Nom.
Tall, dms., works lb. .03¾- .04½
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 84.00 -87.00
Pleurisy root, bls ro. .45 - .50
Podophyllum resin, NF, dms lb. 6.75 - —
Poke root, bls lb. .19 - .22
Polymyxin, bulk, dms., bots., 50 billion units or more. 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works. lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000 lb. lots, works. lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs. lb. .18 - —
Dutch, bgs. lb. .22 - —
Polish, bgs. lb. .20 - —
Turkish, bgs. lb. .18½- —
Potash, caustic, reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 -
c.l., works 100 lbs. 10.20 - —
liq. 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
l.c.l., works 100 lbs. 9.75 - —
Potassium acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd. dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .15 - —
l.c.l., works lb. .15½- —
Potassium bichromate in dms. ½c. higher.
Bitartrate, NF, dom., gran. or powd., bbls., 5,000 lbs. l shipt lb. .32½- —
smaller lots lb. .33 - .36
dms., c.l. lb. .32 - —
imp., kgs lb. .25 - .26
Bromate, bbls., 1,000 lbs. or more. lb. .50 - .52
25-200-lb lots lb. .55 - .57
Bromide USP gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs. 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chlorate, cryst., dms., c.l., works. lb. .10¼- —
l.c.l., works lb. .11½- .12
powd., dms., c.l., works lb. .10¾- —
l.c.l. works lb. .12 - 12½
export, dms., New York lb. .12¾- .13½
NF gran. dms lb. .33 - .35
Chloride, USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd. dms lb. .24 - .26
Chromate, tech., bgs lb. .50 - .50½
Citrate, USP gran., dms lb. .41 - —
powder, dms lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
smaller lots, works lb. .57 - —
Dichromate (see Potassium bichromate).
Ferricyanide, kgs lb. .60 - .63
Ferrocyanide, dms., ton lots lb. .22½- —
smaller lots lb. .23 - —
kgs. lb. .28 - —
Fluoborate, fib. dms., c.l., works. lb. .30 - —
l.c.l., works lb. .31 - —
Fluoride, dms., works lb. .37 - .38
Gluconate dms lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25
Guaiacolsulfonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100-lb. dms. 1 to 100-dm. lots lb. .28½- .30
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 - 1.03
Iodide, dms. lb. 2.15 - —
Manure salt 22% K_2O, bulk, mines unit-ton. .19 - —
Metabisulfite, gran., dms lb. .20 - .21
powd., dms lb. .25 - —
Muriate, dom. 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .39½- .40½
Trona, Cal. unit-ton. .49 - —
50-51% K_2O paper bgs., Carlsbad, N. M. ton. 24.50 - —
Nitrate, cryst., bbls., 10,000 ton lots 100 lbs. 14.40 - —
smaller lots 100 lbs. 14.65 -14.90
gran., bbls., 20-ton lots. 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
powd., bbls., 20-ton lots. 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 -12.50
NF, gran., dms. lb. .09¾- .11¾
Potassium nitrate in bags, 50c. per 100 lbs. less in kegs, $1 more.
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton. 180.00 - —
bbls., ton lots, ex whse ton. 261.00 - —
smaller lots, ex whse ton. 266.00 - —
Powdered Potassium pentaborate, $10.25 per ton higher
Perchlorate, dms., c.l., works lb. 15 - —
l.c.l., works lb. .16½- —
Permanganate, tech., dms., works lb. .22½- .23½
USP dms. works lb. .24¾- .30¼
Persulfate, dms., 5-ton lots, works, lb. .18 - —
1-ton lots, works lb. .20 - —
Potassium phosphate, tetrabasic, bbls., works lb. .16½- .18½
Prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass, bgs., c.l., works. 100 lbs. 17.00 - —
l.c.l. 100 lbs. 17.80 - —
soln., clarif., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.80 - —
l.c.l., 5 dms., or more, works 100 lbs 6.55 - —
tanks, works 100 lbs. 5.45 - —
tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.35 - —
l.c.l., 5 dms. or more, works 100 lbs. 6.50 - —
tanks, works 100 lbs. 5.00 - —
40.5° Be., 1:2.0, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms. or more, works 100 lbs. 7.20 - 7.60
tanks, works 100 lbs. 6.10 - —
Silicofluoride, bbls., works lb. .09 - .10
Stannate, dms., frt. alld. E lb. .678 - .744
Sulfate, agricultural, 49-51%, K_2O, bulk, works ton. 35.00 - —
NF VII cryst. dms lb. .31 - .33
gran., dms. lb. .18½- —
powder, dms. lb. .36½- .17
Sulfocyanide, NF, cryst., (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms lb. .84 - .94
tech., works lb. .77 - .79
Titanate, cfrs., c.l., works lb. .14 - —
5-ton lots, works lb. .14½- —
1-ton lot or less, works lb. .14¾- —
Potassium-magnesium sulfate, bulk, works basis 40% K_2SO_4, 18% MgO ton. 15.05 - —
Potassium-sodium tartrate, NF, gran., powd., dms., c.l. lb. .32½- —
5,000-lb. lots lb. .33 - —
smaller lots lb. .33½- .38½
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 —
l.c.l., works lb. .52½- .55
Pregnenolone, bots gram. .60 - —
Acetate, bots gram. .55 - —
Progesterone, USP, bots., 100 gram lots gram. .65 - —
Aceetate, bots gram. .70 - —
Procaine hydrochloride, USP, 1,000-lb. lots, dms., frt. alld lb. 2.90 - —
100-lb lots lb. 3.60 - —
Propane, coml. grade, tanks, group 3. gal. .03 - —
n-Propyl acetate, dms., c.l., dlvd lb. .12¾- —
l.c.l., dlvd lb. .13¾- —
tanks, dlvd lb. .1075- —
Gallate, dms., 100 to 2,000-lb. lots works lb 3.90 4.40
p-Hydroxybenzoate, USP, dms lb. 2.30 -2.40
Thiouracil, bots., 50-kilo lots or more kilo. 55.00 —
smaller lots kilo. 55.10 -55.30
Propylene dichloride, dms., c.l., dlvd. E lb. .0845- —
l.c.l., same basis lb. .095 - —
tanks, same basis lb. .07 - —
Prices in West 1c. higher, on same basis.
Glycol, industrial, dms., c.l., dlvd. E lb. .14¾- —
l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 - —
USP, dms., c.l., dlvd. E lb. .16¾- —
l.c.l., same basis lb. .17¾- —
tanks, same basis lb. .15 - —
Methyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Propylene oxide, dms., c.l., dlvd. E lb. .17 - —
l.c.l., dlvd. E lb. .18 - —
tanks, dlvd. E lb. .15 - —
Psyllium seed, black, bgs lb. .80 —
blonde, bgs. lb. .18 .20
husks, bgs. lb. .45 .50
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03⅝ 04¼
smaller lots lb. .03⅞ 04½
imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 —
sun dried coarse bgs ton. lots lb. 02½ 04
fine bgs. ton lots lb. 02½ 04
Pumice in bbls is ½c per lb higher
Pumpkin seed, bgs lb. .25 .26
Pyrethrin, syn., (see Allethrin).
Pyrethrum flowers, fine grd. 0.9% pyrethrins bbls works. lb. .50 —
powd., 1.3% pyrethrins, bbls., works lb. .71¼ —
liquid (20 to 1) basis 2 grams pyrethrins per 100cc. odorless base, 50 dms., works. gal. 8.35 - —
1-4 dms., works gal. 8.55 - —
oleoresin, dewaxed, 20%, dms., works lb. 9.80 -10.15
purified, 20% dms., works lb. 10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
l.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret. dms., l.c.l., same basis lb. .95 - —
Pyridoxine hydrochloride, bots., 100-gram lots gram. .55 - —
Pyrites, Canadian, works long-ton. 3.00 6.00

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Pyrocatechol—Silicon Tetrachloride

Pyrocatechol (see Catechol).
Pyrogallol, NF ... lb. 3.25 3.43
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works ... lb. .12 - —
mixed, mottled, dms., works lb. .13 - —
shavings, amber, cs., works lb. No stocks.
mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works lb. .16 - —
dense, opaque, dms., works. lb. .12 - .15
translucent pastels, cs., works lb. .14 - —
transparent colorless, dms., works lb. .25 - —
colors, dms., works ... lb. .15 - —
USP, bots ... lb. 9.50 - —

Q

Quassia chips ... lb. 17 - —
Quebracho extract, clarif., grd., 70% tannin, bgs., c.l., lb. .16¼- .16¾
liq., 35% tannin, bbls., works. lb. .08¼- —
solid, 64% tannin, bgs., c.l., exdock, duty extra lb. .12½- —
ordinary 63% tannin, ngs., c.l., same basis lb. 11 31/64- —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
liq., No. 1, bbls., l.c.l. ... lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs ... lb. 2.00 Nom.
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.15 - —
powd., precip., cns., 100-oz. lots. oz. 1.17 - —
Sulfate, USP, cns., 100-oz. lots. oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots oz. .37½- —
Dihydrochloride, USP cns oz. .54 - —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide, NF cns. 50-oz cns. oz. .47½- —
Hydrochloride, USP, cns., 100-oz. lots oz. .47½- —
Phosphate, NF, cns., 100-oz lots.oz. .61 - —
Salicylate, NF, cns., 100-oz. lots.oz. .55 - —
Sulfate, USP, cns., 100-oz. lots.oz. .42 - —
Quinine and Urea hydrochloride NF, cns oz. .56 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis ... lb. .51¼- —
tanks, same basis ... lb. .50 - —

R

R salt, paste, dms., frt. alld., 100% basis lb. .83 - —
powd., frt. alld, 100% basis lb. .88 - .93
Rauwolfia serpentina root, powd., bbls., dms lb. 2.50 - —
Red, BON acid maroons, pure, obis. lb 1.75 - —
resinated, bbls ... lb 1.50 - —
arylid, deep shades, bbls ... lb 3.60 - —
light shades, bbls ... lb 2.75 - —
maroon, bbls ... lb 3.60 - 5.90
Red, cadmium, CP, dark shade, bbls., frt. alld, E. of Rockies lb. 4.30 - —
light shade, same basis lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium-light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls., same basis lb. 3.95 - —
Lithopone, deep shade, bbls., same basis lb. 1.93 - —
light shade, bbls., same basis, lb. 1.70 - —
maroon shade, bbls., same basis lb. 2.05 - —
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.77 - —
orange-red shade, bbls, same basis lb. 1.64 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c per lb higher ex whse. Los Angeles and San Francisco
Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works ... lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N Y lb. .12¾- —
Iron oxide, nat., 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., East St. Louis lb. .06 - —
syn. 98% ferric oxide, bgs., c.l., works lb. .12¾- —
l.c.l., works ... lb. .13 - —
Lake C toner, alizarin, bbls., works lb. 1.10 - 1.20
Red, lithol toner, bbls., works ... lb. .79 - —
rubine toner, pure, bbls., works. lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., works. lb. 3.60 - —
10,000-lb. lots, works ... lb. 4.22 - —
smaller lots, works ... lb. 4.24 - —
l.c.l., works ... lb. .02¾- —
Metallic, bbls., c.l., works ... lb. .02½- —
Naphthol ITR, bbls., works ... lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works ... lb. .07 - —
Para toner, bbls ... lb. .95 - —
Chlorinated, kgs. ... lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 5.35 - —
tungstated, PTMA, works, kegs. lb. 5.95 - —
Spanish oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock ... lb. .06 - —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.50 - —
light shades, kgs., works lb. 1.50 - —
Turkey, bbls., works ... lb. .60 - —
Tuscan, bbls., frt. equald ... lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .037
20%, bgs., works ... lb. .0475- —
25%, bgs., works ... lb. .0525- —
30%, bgs., works ... lb. .0550- —
35%, bgs., works ... lb. .0575- —
40%, bgs., works ... lb. .0625- —
Watchung-type, bbls ... lb. 1.95 - —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls lb. .35 - .40
Resorcinol, tech. grade, dms., c.l., works lb. .77½- —
l.c.l., works ... lb. .78½- —
USP, cryst., dms., works lb 2.75 —
powd dms, works ... lb 2.95 —
Monoacetate, NF, dms ... lb. 3.00 - 3.25
Rhatany root, bgs ... lb. .15 - .16
Rhodinol, 5-lb. cans ... lb. 25.50 -34.00
Rhubarb root, China, whole, cs. lb. .75 - .85
powd., bbls. ... lb. .90 - .95
India, whole, bgs ... lb. .35 - .40
powdered, bbls. ... lb. .43 - .45
Riboflavin USP bots., dlvd kilo 100.00 - —
readily soluble, bots., dlvd kilo 130.00 - —
5'-phosphate-sodium, 100-gram lots or more kilo 140.00 - —
Rochelle salt (see Potassium-sodium tartrate).
Rosin, gum and wood (see Naval Stores, Protective Coatings market)
Rotenone, CP, bbls., works ... lb. 20.00 - —
tech., bbls., works ... lb 16.50 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03 - —
ton lots, same basis ... lb. .04 - —
Rutin, NF, fib dms., 25-kilo lots. kilo. 19.50 -25.00
10 to 25-kilo lots ... kilo. 19.50 -25.00
1 to 10-kilo lots ... kilo. 20.00 -25.00
Ryania, 100%, powd., bgs., c.l., works. lb. .22 - —
l.c.l., same basis ... lb. .24 - —

S

Sabadilla seed, powd., bbls ... lb. .49 - 49½
activated, ground with lime, bbls lb. .30 - .32
Saccharin, USP, gran., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots ... lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots ... lb 1.75 - 1.95
Saffron, Spanish, USP, tins ... lb. 26.00 -28.00
Safrol, dms ... lb. 1.25 - 1.50
Sage, Cretan, bgs ... lb. .11½- —
Dalmatian, bgs. ... lb. .35 - —
Italian, bgs. ... lb. .14 - —
Sago flour, raw, bgs ... lb. .06¾- .07
refined, bgs ... lb. .08½- .09
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs ... lb. 1.10 - —
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l. ..100 lbs. .98 - —
Table, vacuum, common, fine, paper bgs., c.l. ..100 lbs. 1.12 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ..ton. 24.00 -26.00
Saltpeter (see Potassium nitrate.
Sandalwood, East Indies, chips ..bgs. .65 - .66
powd., fib, dms ... lb. .75 - .76
Sanguinarine nitrate, bots ... oz. 4.75 5.50
Santonin, NF, dom. cryst., powd., cns., dms ..lb. 76.50 -80.00
imported, cryst., powd., cns lb. 76.50 -80.00
Sarsaparilla root, dom. bls ... lb. .45 .50
imp., Honduras, bls ... lb. .45 Nom.
Mexican, bls ... lb. .35 Nom.
Sassafras root bark, ord., bls ... lb. .45 - —
select, bls ... lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld., 100% basis ..lb. .85 - .95
powder, bgs., frt. alld ... lb. .95 - —
Scopolamine hydrobromide, USP, bots ..oz. 12.25 -12.50
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30½- —
smaller lots ... lb. .31 - .32
Selenium, powd., dms., dlvd ... lb. 5.00 - 6.00
Senega root, bls ... lb. 1.80 - 1.85
Senna leaves, Alex., whole and half, bls. lb. .19 - —
siftings ... lb. .17 - —
Tinnevelly, No. 1, bls ... lb. .16 - .18
No. 2, bls. ... lb. .13 - .15
No. 3, bls. ... lb. .11 - .13
powdered, bbls., bxs ... lb. .18 - —
pods, bls. ... lb. .14 - —
Serpentaria root, bls ... lb. 4.85 - 5.00
Sesame seed, Nicaragua, hulled, shipt., bgs. lb. .26 - .26½
nat., bgs. ... lb. .17½- —
Salvadorian, natural ... lb. Nominal
Shellac, bleached, bonedry, bgs., 1,500-lb. lots. lb. .56 - —
bbls., 1,500-lb. lots ... lb. .57 - —
kgs., 1,500-lb. lots ... lb. .59 - —
refd., bgs., 1,500-lb. lots ... lb. .66 - —
bbls., 1,500-lb. lots ... lb. .67 - —
kgs., 1,500-lb. lots ... lb. .69 - —
Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb. higher for all packages.
Lemon, No. 1, bgs., 10-bg. lots. lb. .52 Nom.
No. 2 bgs., 10-bag lots ... lb. .50 Nom.
Superfine, bgs., 10-bag lots ... lb. .48 Nom.
TN, bgs., 10-bg. lots ... lb. .47 Nom.
Shellac in 1 to 9 bg. lots, 1c. more
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh. bgs., c.l., works ..ton. 25.00 - —
l.c.l., works ... ton. 30.00 -40.00
hard-quartz, 99½, 325 mesh. bgs., c.l., works ton. 20.00 - —
l.c.l., works ... ton. 25.00 -30.00
140 mesh, bgs., c.l., works. ton. 15.00 - —
l.c.l., works ... ton. 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works ... lb. .20 - .28½

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make CSC RIBOFLAVIN U.S.P.

the Product of Choice!

FOR BOTH LIQUID AND DRY PREPARATIONS

CSC Riboflavin U.S.P. is a product of exceptionally high purity. It has found wide acceptance over a number of years for elixirs, injectable solutions, powdered supplements, multi-vitamin drops, capsules and dry preparations. It is non-hygroscopic and exhibits unusual uniformity of crystals. Uniformity of color and complete freedom from odor have always been outstanding characteristics of riboflavin produced by CSC's unique quality-controlled process.

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Samples available as well as a detailed TECHNICAL DATA SHEET. Write for yours today on your company letterhead. Industrial Chemicals Sales Dept., Commercial Solvents Corp., 260 Madison Ave., New York 16, N. Y.

COMMERCIAL SOLVENTS CORPORATION

Silver bullion, ingots, cs ..... lb. .25¼- —
Cyanide 6b dms., 2,500-oz. lots oz. .77⅝- —
1,000-oz. lots ..... oz. .77⅝- —
500-oz. lots ..... oz. .77⅞- —
100-oz. lots ..... oz. .78⅛- —
Nitrate, CP, crystals, bots., 2,500-oz. lots oz. .54¾- —
1,000-oz lots ..... oz. .5⅝ - —
500-oz. lots ..... oz. .56½- —
250-oz. lots ..... oz. .57 - —
USP granular silver nitrate 6c per oz higher
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Soapbark, whole, bls ..... lb. .40 - —
crushed, bls., bbls ..... lb. .50 - —
powd., bbls ..... lb. .52 - —
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.70 - —
l.c.l., stock points 100 lbs. 2.80 - 4.57
bbls c.l., works 100 lbs 2.30 —
l.c.l., stock points 100 lbs. 3.35 4.12
bulk, c.l., works 100 lbs. 1.40 - —
light, 58%, paper bgs., l.c.l., works 100 lbs. 1.65 - —
l.c.l., stock points 100 lbs. 3.75 - 4.52
bbls., c.l., works 100 lbs. 2.20 - —
l.c.l., stock points 100 lbs. 3.25 - 5.52
bulk c.l works 100 lbs 1.35 —
Soda, caustic, flake, powd., 76%, dms., c.l., works, frt. equald. 100 lbs. 4.25 - —
l.c.l., stock points 100 lbs. 5.45 - —
liq., 50%, sellers' tanks, works, dry basis 100 lbs. 2.70 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
solid, 76%, dms., c.l., works, 100 lbs. 3.85 - —
l.c.l., stock points 100 lbs. 5.05 - —
Sal, bgs., c.l., works 100 lbs. 1.40 - —
l.c.l. works 100 lbs. 1.70 - —
Sodium acetate anhyd. bgs., c.l., works lb. .12 - —
dms., l.c.l., works lb. .12¾- —
NF, 60%, gran., dms., c.l., works lb. .11 - —
dms., l.c.l., works lb. .1250- —
Alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refined, bbls., works lb. .83 - —
p-Aminobenzoate, dms., 1,000 lb. lots or more lb. 2.40 - —
smaller lots lb. 2.45 - 2.50
p-Aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots, same basis lb. 3.80 - 4.25
Antimoniate, bbls., c.l., dlvd. E. lb. .29 - —
l.c.l., dlvd E lb. .30½- —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l. dms works lb. .13¾- .14¼
Arsenite, dms., c.l., works lb. .13½- —
l.c.l. dms works lb. .14¼ 15¼
soln., dms., works gal. .70 - 1.10
Ascorbate, dms., 25-50 kilo lots kilo. 21.00 - —
10-kilo lots kilo. 21.35 - —
5-kilo lots kilo. 21.75 - —
1-kilo lots kilo. 22.00 - —
bots., 500-gram lots kilo. 22.50 - —
Benzoate, tech., bbls., dms., 100-lb. lots or more lb. .39 - —
USP, bbls., dms. 100-lb. lots, or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.70 - —
powd., bgs., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 3.30 - —
Bichromate, bgs., c.l., works lb. .11½- —
l.c.l., works lb. .12 - .13¼
Bifluoride, bbls., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis lb. .1790- —
Bisulfate, bulk, c.l., works. 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - 3.85
l.c.l., works 100 lbs. 3.05 3.65
Bisulfite, anhyd., bgs., c.l., works. 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
soln., 35°, bbls., c.l., works. 100 lbs 1.40 - —
l.c.l., works 100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .34 - .35
Cacodylate, NF, dms., jars lb. 6.25 - 6.50
Carbonate, anhyd. (see Soda ash).
crystalline, decahydrated (see Soda sal).
monohydrated bgs., c.l., works. 100 lbs. 2.90 - —
l.c.l., works 100lbs. 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works. lb. .08¾- —
l.c.l., works lb. .10¼- .11
Chloride, tech. (see Salt).
USP. dms lb. .09 - .12
Chlorite, tech., dms., c.l., works. lb. .58 - —
20-ton lots or more, works. lb. .66 - —
smaller lots, works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l. works lb. .25 - .26
Chromate, dms., c.l., works lb. .13¼- —
l.c.l., same basis lb. .13¾- .15
Citrate, anhyd., dms lb. .60 - .65
NF VIII, gran., dms lb. .26 - .30½
USP XIV gran., dms. lb. .29½ .34
Sodium citrate USP powd prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works. lb. .85 - 1.10
smaller lots, works lb. 1.00 1.25
Cyanide flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .178 - —
over 1,000-lb. lots lb. .188 - —
100-lb. to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., works lb. .14¾- —
anhyd., dms., c.l., works lb. .17 - —
l.c.l., works lb. .17¾- —
Dichromate (see Sodium bichromate).
Ferrocyanide, bgs., 10-ton lots lb. .13½- —
smaller lots lb. .14 - —
Fluoride, white, 97%, bbls., c.l., works lb. .1250- —
l.c.l. works lb. .1290- —
Formate, bgs., c.l., dlvd. E. 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
Gentisate, 100-lb. lib dms lb 8.50 - —
Gluconate, refd., dms. lb. .80 - .83
tech., dms lb. .35 - —
Glutamate, mono-, dms., c.l. lb. 1.55 - —
Glycerophosphate, NF, cryst., bbls. lb. 2.10 - 2.25
powd., bbls lb. 2.15 - 2.30
soln., 75%, cybs lb. 1.45 - 1.60
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .23 - —
l.c.l., frt. alld. lb. .23½- —
Hydroxide, tech. see Soda caustic)
NF, pellets, 100-lb dms. 1 to 100-dm. lots lb. .18½- .23

Hyposulfite, NF (see Sodium thiosulfate).
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works. 100 lbs. 4.50 - 4.75
l.c.l., works 100 lbs. 5.00 - 5.05
technical, bgs., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP bots., dms lb. 2.80 2.93
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms chys. works lb. .26½- —
tech., 50% dms. chys. works, lb. 16¼ - —
Lauryl sulfate, dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .20 - —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton. 78.50 - —
l.c.l., ex whse ton. 124.50 - 129.50
Sodium metaborate, octahydrate in bbls. $24.50 per ton higher
Tetrahydrate, c.l., bbls., works. ton. 199.50 - —
Metallic, bricks, bbls., works lb. .17 - .19
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd. bgs., c.l., works 100 lbs. 4.85 - —
l.c.l., works 100 lbs. 5.20 - 7.10
dms., c.l. 100 lbs. 5.25 - —
l.c.l. 100 lbs. 5.60 - 6.00
Pentahydrate, bgs., c.l., works. 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.35 - 4.75
dms., c.l., works 100 lbs. 4.40 - —
l.c.l., works 100 lbs. 4.75 - 5.15

Sodium molybdate, bbls, cbys., works lb. .75 - .85
anhyd., powd., dms., works lb. .85 - .92
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton. 47.00 - —
bulk, c.l., works ton. 43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton. 53.00 - —
bulk, c.l., same basis ton. 49.50 - —
Nitrite, USP, bbls., c.l., works, frt. equald lb. .0775- —
l.c.l., same basis lb. .0925- —
Orthosilicate, conc. dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.35 - 6.75
hydrated flake bbls, c.l. works 100 lbs. 5.25 - —
l.c.l., dlvd. 100 lbs. 7.00 - —
Oxalate, 88%, bgs., works 100 lbs. 10.85 - —
Para-aminobenzoate (see sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate)
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
c.l. same basis lb. 26½ .28½
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - .28
powdered, bgs., c.l., same basis. lb. .24 - —
l.c.l. same basis lb. .25 - .27
Pentachlorophenate, 20,000 lbs. min. truckloads, ¼c. per lb. over cariot prices.

Silver Bullion—Sodium Salicylate

Sodium perborate, USP, tech., bbls., c.l., works lb. .193 - —
l.c.l. works lb. 198 —
Peroxide, dms. c.l. dlvd. E. of Miss lb. .1860- —
l.c.l., same basis lb 1910- .2010
Phenolsulfonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l. frt. equald 100 lbs 7.45 - —
l.c.l., works 100 lbs 7.85 - —
USP, dried powd. bgs., dms., works lb. .19 - .20½
duohydrate, bgs., c.l., frt. equald 100 lbs 7.05 - —
l.c.l., frt. equald 100 lbs. 7.25 - —
monobasic, anhyd., bgs., c.l., frt. equald 100 lbs. 6.45 - —
l.c.l. frt. equald 100 lbs 6.90 - —
tribasic, cryst., bgs., c.l., frt. equald 100 lbs. 4.20 - —
l.c.l. frt equald 100 lbs 4.60 - —
Sodium phosphates in dms. 60c higher than bgs.
Prussiate, yellow (see Sodium ferrocyanide).
Pyrophosphate acid, bgs., c.l., works, frt. equald 100 lbs. 10.75 - —
ferric, dms., 1,500-lb. lots, works. lb. .31 - —
smaller lots, works lb. .34 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.90 - —
l.c.l., frt equald 100 lbs. 8.10 - —
Salicylate, USP, dms lb. .68 - —

6=10 when it's DRYMET*

the economical detergent silicate

Sixty pounds of DRYMET—*anhydrous* sodium metasilicate—will do the same amount of work as one hundred pounds of pentahydrate sodium metasilicate! You get approximately two thirds more chemical value in DRYMET, yet the price is less than one fourth higher at the producing factory!

DRYMET contains no water of crystalization. DRYMET is more economical to use on the basis of Na_2O (alkalinity) and SiO_2 (silicate) than *any other* type of anhydrous or hydrated detergent silicate.

Send for DRYMET File Folder containing complete technical information.

HEAVY CHEMICAL DEPARTMENT

If you are compounding with detergent silicates, investigate DRYMET for higher concentrations and longer mileage in such products as:

1. Floor Cleaners
2. Laundry Products
3. Metal Cleaners
4. Dairy Cleaners
5. Dishwashing Compounds
6. General Purpose Cleaners
7. Soap Builders
8. Paint Cleaners
9. Paper De-inking Compounds

If you are using detergent silicates directly in your operations, investigate DRYMET for:

1. Reductions in product costs
2. Reductions in freight costs
3. Reductions in storage costs
4. Reductions in handling costs
5. Reductions in labor costs

*Reg. U. S. Pat. Off.

Cowles CHEMICAL COMPANY
7016 EUCLID AVENUE • CLEVELAND 3, OHIO

Sodium Sesquicarbonate—Sulfur, Refd., Virgin Block

Sodium sesquicarbonate, bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., dlvd., zone 1....100 lbs. 3.85 - 4.10
zone 2 .....100 lbs. 4.10 - 4.35
zone 3 .....100 lbs. 4.40 - 4.65
zone 4 .....100 lbs. 5.10 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 4.50 - —
l.c.l., works .....100 lbs. 4.85 - 6.75
dms., c.l., works.....100 lbs. 4.90 - —
l.c.l., works .....100 lbs. 5.25 - 5.65
Silicate, liq., 40° 1:2:3, turbid, dms., c.l., works...100 lbs. 1.35 - —
l.c.l., works...100 lbs. 1.70 - 2.30
tanks, works ..100 lbs. 1.00 - —
47°, turbid, 1:2.9, dms., c.l., works 100 lbs. 1.95 - —
l.c.l., dms., works. 100 lbs. 2.55 - 2.80
tanks, works ..100 lbs. 1.60 - —
52°, turbid, 1-2-3, dms., c.l., works 100 lbs. 2.30 - —
l.c.l., works...100 lbs. 2.65 - 3.05
tanks, works....100 lbs. 1.95 - —
solid, 1:3.2, bgs. works ton 57.50 - —

Sodium silicofluoride, bgs., c.l., works..lb. .07 - —
l.c.l., works .....lb. .07 - .09
Sodium silicofluoride in dms., 4/10c. higher.
Stannate, dms., works, frt. alld. E..lb. .544 - .598
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works .....lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., dlvd., E..100 lbs. 2.50 - —
rayon grade, bgs., c.l., works. ton.29.00 - —
l.c.l., works .....ton.35.00 - —
USP, cryst. fib dms ..... lb. .17½- .18
gran. fib. dms ..... lb. .17½- .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼- —
l.c.l., same basis lb. .05¾- —
fused, bbls., c.l., works, E., frt. equald lb. .04¾- —
l.c.l., same basis lb. .05¼- —
Sulfite, anhyd., bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l. same basis 100 lbs 3.50 - —
powd., bbls., c.l., works..100 lbs. 7.25 - —
l.c.l., works 100 lbs 7.50 - -
Sulfocyanide, CP, (see Sodium thiocyanate).
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - —
liquid, 40-44%, tanks, works, 100% basis ton.110.00 - —
Tetrasulfide, liq., 40%, dms., c.l., works. lb. .03½- —
l.c.l., works lb. .04 - —
Tetraborate (see Borax).
lb. .44 - —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .377 - —

Sodium thiosulfate, NF, cryst., bbls lb. .12½- —
tech. (see Sodium hyposulphite).
Titanate ctns., c.l., works lb. .10½- —
5-ton lots, works .....lb. .10¾- —
1 ton or less, works .....lb. .11 - —
Trichloroacetate, 99% 100-lb. dms., c.l., frt. alld., E lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld. E. lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld. E. l.c.l., frt. adjusted, E lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald..100 lbs. 8.05 - 8.25
l.c.l., same basis .... 100 lbs. 8.30 - 8.45
Trisilicate, powd., 1:32.2, bgs., c.l., works..100 lbs. 8.65 - —
l.c.l., works .....100 lbs. 9.40 -12.80
dms., c.l., works.....100 lbs. 9.05 - —
l.c.l., works .....100 lbs. 9.80 -1025
Tungstate, tech., kgs., dlvd. E .lb. 1.80 - —
Sodium-ammonium phosphate bbls., works, frt. equald lb .23 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd. lb. .21 - —
l.c.l., same basis..... lb. .21½- —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works lb. .28 - —
smaller lots, same basis .lb. .30 - —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 - .33
high-flash, tanks, works gal. .31 - .33
petroleum (see Petroleum solvent, partial aromatic).

Sorbitan monostearate, fib. dms., 20,000-lb. lots, works..... lb. .32 - —
10,000 to 20,000-lb. lots, works, lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate, fib. dms., 20,000-lb. lots, works..lb. .33 - —
10,000 to 20,000-lb. lots, works. lb. .35 - —
smaller lots, works lb .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
1 to 5-ton lots, works lb. .32 - .33
powd., dms., 1 to 5-ton lots, works, lb. .38 - .39
soln., coml., aqueous, dms., c..., works..lb. .24½- —
ton lots works .25 - —
smaller lots, works....lb. .25¼- —
tanks, works lb .23½- —
reg., 70%, aqueous, dms., c.l., works..lb. .16 - —
ton lots works lb. .16¾- —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44% bulk, Decatur ton.90.00 Nom.
protein, chemically isolated, 40-000 to 60,000-lb. lots, dlvd. lb. .25 - —
20,000 to 40,000-lb. lots, same basis lb. .25¼- —
100 to 20,000-lb. lots, same basis lb. .25½- —
mechanically refd., bgs., 40,000-lb. lots, same basis... lb. .0605- —
20,000-lb. lots, same basis. lb. .0620- —
smaller lots, same basis. lb. .0635- —
Sparteine sulfate, cns.....oz. .85 - .95
Spearmint leaves, dom., bls.....lb. .75 - —
imported, bls.....lb. 1.25 - —
Spruce extract liq. reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
l.c.l., works ..... lb. .05½- —
Squill, red, fortified, powd., bbls., boxes lb. 1.60 - —
white, bls. ..... lb. .12 - .15
powd., bbls., bxs ..... lb. .18 - .21
St John's bread, edible, bls... lb. .13 - .15
Stannic chloride, anhyd., dms., works..lb. .757 - .767
Oxide, dms., dlvd. E..... lb. .93½- .94½
Stannous chloride, anhyd., dms., works..lb. .811 - 1.080
Hydrous (crystals), dms., works. lb. .845 - .885
Sulfate, dms., works.....lb. .929 - .949
Starch, corn, pearl, paper bgs., c... 100 lbs. 7.14 - —
l.c.l. .....100 lbs. 7.29 - —
powd., paper bgs., c.l. 100 lbs 7.26 - —
l.c.l. .....100 lbs. 7.41 - —
Prices for corn starch in cotton bags 25c. per 100 lbs higher.
Potato, dom., Idaho, bgs., c.l., works..lb. .063 - —
Maine, bgs., c.l., works....lb. .06¾- —
l.c.l., spot.....lb. .08¾- .09¼
Rice, bgs., l.c.l.....lb. .15½- .16
Wheat bgs ..... lb. .0755- .0780
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed bgs. lb. .60 - .61
Stearine oleo (see Oleostearine.)
Stomach substance, not USP, 100-lb. fib. dms. lb. 2.90 - —
Stramonium leaves, bgs ..... lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .15 - —
Sulfate, bulk .....gram. .15 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, pure, dms., 5-ton lots or more, works..lb. .35 - —
1-ton lots, works.....lb. .37 - —
tech., dms., works .....lb. .19 - —
Chromate, bbls., works.....lb. .46 - —
Iodide, jars, 25-lb. lots.....lb. 3.42 - —
Nitrate, bbls., cs., works.....lb .11 - .13
Salicylate NF dms lb. 1.65 - —
Sulfate, air floated, 90% 325 mesh bgs., works ton.56.70 -66.15
Strophanthin, K, bots .....oz.25.00 -25.50
G, (see Ouabaine, USP).
Strophanthus seed, Kombi, biologically tested, bgs. lb. 3.50 - 3.75
Styrax, USP, cs..... lb. .78 - .80
Strychnine, NF, powd., cns., 100-oz. lots oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots.oz. 1.14 - —
Sulfate, USP, powd., cns., 100-oz. lots oz. .85 - —
crystals, 25-oz. lots.....oz. .96 - —
Styrene monomer, dms., c.l., works. lb. .22¼- —
l.c.l., works..... lb. .23¼- —
tanks, works ..... lb. .21 - —
Styroyl acetate, bots..... lb. 1.45 - 1.70
Sucrose, refd., white, bgs., refy., E. 100 lbs. 8.80 - —
Octa-acetate, denaturing grade, 100-200-lb. bgs., l.c.l., works. lb. .76 - —
Sulfabenzamide, dms..... lb. 4.00 - 4.50
Sodium dms ..... lb 4.10 - 4.60
Sulfacetamide, fib. dms..... lb. 4.00 - 4.20
Sodium fib dms lb 5.00 - 5.20
Sulfadiazine, USP, microcrystals, dms lb.10.60 -11.10
powder, dms. .... lb..10.25 -10.75
Sulfadiazine-sodium, USP, dms lb.11.25 -11.75
micro crystals dms lb.10.60 -11.10
Sulfaguanidine, USP, dms.....lb. 2.50 - —
Sulfamerazine, USP, micro crystals. lb.10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb.11.25 -11.75
Sulfamethazine, micro crystals, dms. lb. 8.90 - 9.40
powder, dms ..... lb 8.50 - 9.00
Sulfanilamide, USP, 30-80 mesh., dms..lb. 1.40 - 1.60
microcrystals, dms. ..... lb. 1.70 - 1.90
powder, dms ..... lb. 1.30 - 1.50
Quinoxaline, veterinary, dms...lb. 6.50 - 6.75
Sulfapyridine, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms..lb. 7.50 - 8.00
Sulfathiazole, USP, micro crystals, dms..lb. 3.15 - 3.30
powder, dms. .... lb. 2.80 - 2.95
Sulfathiazole-sodium, USP, dms..lb. 3.05 - 3.20
Sulfur, coml., flour, bgs., mines. 100 lbs. 2.30 - —
bbls., mines .....100 lbs. 3.05 - —
lump, bgs., mines.....100 lbs. 2.20 - —
bbls., mines.....100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract. long-ton.26.50 - —
export, f.o.b. vessels, Gulf ports..long-ton.31.00 -33.00
domestic and Canada, f.o.b. vessel Gulf port..long-ton.28.00 -29.50
refd., flowers, USP, bgs., mines. 100 lbs. 4.00 - —
bbls. .....100 lbs. 5.25 - —
flour, light, bgs., mines..100 lbs. 3.60 - —
bbls., mines .....100 lbs. 4.50 - —
lump, bgs., mines.....100 lbs. 3.30 - —
rolls, bgs., mines.....100 lbs. 3.85 - —
bbls., mines.....100 lbs. 4.40 - —
salt block, bgs., mines..100 lbs. 3.50 - —
virgin block, bbls., mines 100 lbs. 3.45 - —

TITANIUM PRODUCTS FOR PROGRESS

Currently being made on a small pilot scale, a 59% solution by weight of triethanolamine titanate in isopropanol is being offered in experimental quantities for investigational purposes. In this alkaline complex, the mole ratio of triethanolamine to titanium is 2 to 1. Triethanolamine titanate differs markedly from the simple titanium esters, such as isopropyl titanate, in resisting rapid hydrolysis in water solutions and in being less reactive.

Interesting solubility behavior characterizes triethanolamine titanate as follows:

Soluble in water. Generally stable at room temperature in the pH range of 7.5 to 10.5. Aqueous solutions of metallic ions such as Cu, Ca and Zn generally cause gelation.

Soluble in benzene, carbon tetrachloride, acetone.

Insoluble in mineral spirits.

Some typical properties of triethanolamine titanate solution:

Yellow liquid—Gardner color 10 • Specific Gravity—1.05 • Refractive Index—1.48 • Apparent Viscosity—88 centipoises at 25°C. • pH of 10% aqueous solution—about 9.4 • % TiO_2—about 14.5

In its reactions, triethanolamine titanate does not readily undergo simple ester interchange, but at high temperatures may enter this type of reaction. This interesting complex offers research possibilities in curing resins for cross-linked structures, as a surface active agent, as an anti-bleeding agent in water-based inks and dyes and possibly many more.

If you are interested in exploring the potentialities of triethanolamine titanate address your inquiries on your business letterhead to Titanium Pigment Corporation, Dept. WA, 111 Broadway, New York 6, N. Y.

TRIETHANOLAMINE TITANATE

Theoretical formula—

$Ti[(OCH_2CH_2)NCH_2CH_2OH]_2$

2589

® TITANOX

Titanium products for progress

TITANIUM PIGMENT CORPORATION

Subsidiary of NATIONAL LEAD COMPANY

Sulfur, refd., rubbermakers, coml., regular, bgs., mines..100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines 100 lbs. 3.65 - —
refined, bgs., mines 100 lbs. 3.25 - —
bbls., mines 100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines..100 lbs. 2.70 - —
bbls., mines 100 lbs. 3.85 - —
10% pine tar, bgs., mines. 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equald lb. .03¾- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
Dioxide, liq., coml., cyls., works lb. .09 - —
multi unit cars, works lb. .0535- —
tanks works lb. .043 - —
refrigeration, cyls., c.l., dlvd lb. .24 - —
Monochloride, 55-gal., dms., c.l., frt. equald..lb. .03¾- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
Sumac leaves, 28%, bgs., ex-dock. ton.130.00 - —
ground, bgs., ex-dock...ton.125.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton. .88 - .91
Carteret, N. J. unit-ton. .88 - .91
triple, 46% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 - —

T

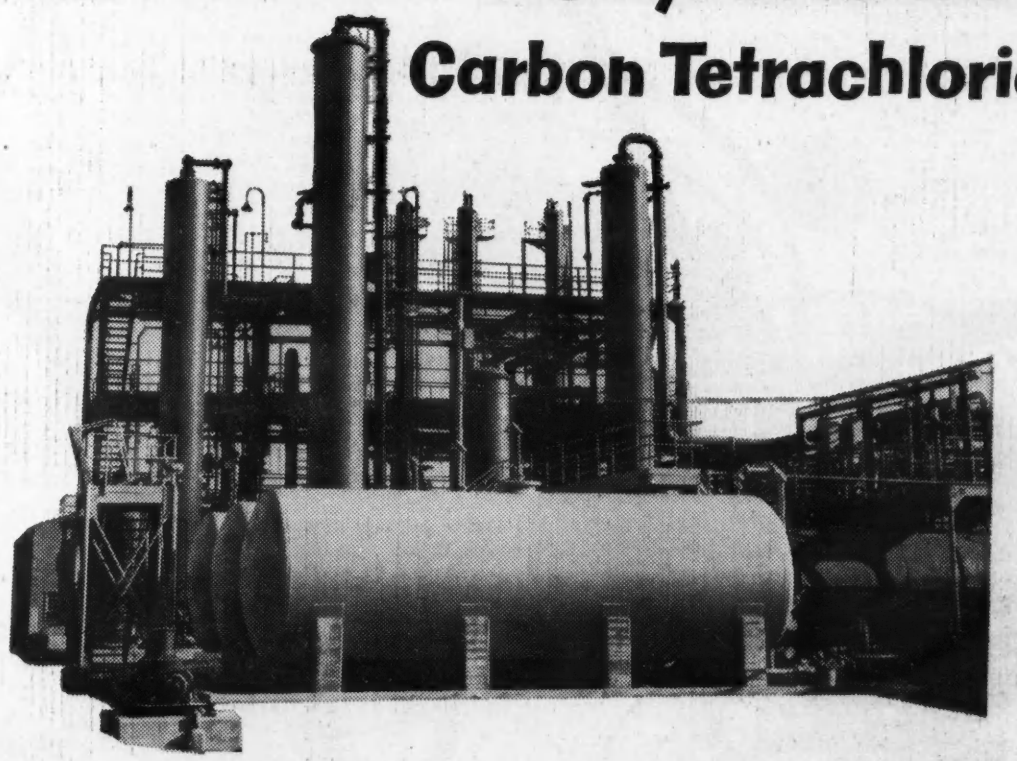
2,4,5-T, dms., c.l., works, frt. equald. lb. 1.25 - —
l.c.l., same basis lb. 1.30 - 2.30
Isopropyl, ester, dms., c.l., works, frt. equald lb. 1.30 - —
l.c.l., works lb. 1.35 - —
Talc, dom., ord., Calif., grad., bgs., c.l., works ton.32.00 -38.50
Vermont off color, grd., bgs., c.l., works..ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works..ton.25.00 -30.00
l.c.l. works ton.28.00 -30.00
99.5%, 325 mesh, bgs., c.l., works ton. 27.00 - —
l.c.l., works ton.30.00 -32.00
99.95% micronized, bgs., works ton.36.00 - —
imp., Canadian grd., bgs., c.l., mines..ton.15.25 -35.00
Tallow, edible, tanks, dlvd lb. .09¾- —
inedible, extra, tanks, dlvd... lb. .06½- —
fancy, bleachable, tanks, dlvd. lb. .06¾- —
No. 1, tanks, dlvd lb. .05¾- —
special tanks, dlvd lb. .06¼- —
sulfonated, 25%, bbls., l.c.l. lb. .07½- .07¾
50%, bbls., l.c.l. lb. .09½- .09¾
Tankage, animal, feeding, 9-11% ammonia, bulk..unit-ton. 7.75 - —
Chicago unit-ton. 8.00 - —
Tapioca flour, Brazilian, ex whse, bgs lb. .10½- .11
Java, AAA, bgs. ex whse., bgs. lb. .06¾- .07
AA, bgs., ex-whse lb. .06½- .06¾
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 - .49
l.c.l., same basis gal. .50 - .51
tanks, same basis gal. .39 - —
25-28%, dms., c.l., same basis. gal. .54 - .56
l.c.l., same basis gal. .57 - .58
tanks, same basis gal. .46 - —
50-53%, dms., c.l., same basis. gal. .70 - .72½
l.c.l., same basis gal. .73½- .74½
tanks, same basis gal. .62½- —
Coal (see Coaltar).
Tartar emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works lb. .23½- —
l.c.l., works lb. .25½- —
tanks, works lb. .22 - —
Hydrate, coml., bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
Terpine hydrate, NF, cryst., fib. dms. lb. .57½- .62
powd., fib., dms lb. .65 - .69
a-Terpineol, dms., l.c.l., dlvd. E lb. .19 - —
Terpineol, com'l, dms., c.l., South. lb. .13½- —
l.c.l., South lb. .14 - —
extra, dms lb. .41 - .60
prime, dms lb. .30 - .45
Terpinyl acetate, extra, cns., dms. lb. .60 - .75
prime, dms lb. .55 - .70
Propionate dms lb. 1.75 - 2.00
Terra alba, (see Gypsum).
Testosterone, USP, 100-gm. lots, bots gram. .79 - —
Propionate, USP, 100-gm. lots, bots gram. .75 - —
Tetrachloroethane, dms., works lb. .14½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½- .21½
smaller, dms, works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., dlvd E lb. .64 - —
l.c.l., dlvd. E lb. 65 - —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 - —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½- —
l.c.l., dlvd E lb. .58½- —
tanks dlvd E lb. .56 - —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 -15.00
Sulfate, 99%, bots., dlvd lb. 8.00 -13.00
Theobromine, NF, fib. dms lb. 3.35 - —
And sodium acetate, USP, fib. dms lb. 3.75 - 3.80
Sodio-Salicylate, NF, fib. dms lb. 3.05 - 3.10
Theophylline, anyhd. or USP, 100-lb. dms lb. 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo.135.00 - —
Mononitrate, USP, fib. dms. kilo.135.00 - —
Thiocarbanilide, dms lb. .50 - .52
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works lb. No stocks
Thiourea, tech., dms., c.l., works lb. .40 - —
l.c.l., works lb. .42 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots kilo.450.00 -500.00
Thyme leaves, French, bgs. lb. .19 - —
Spanish, bgs. lb. .10 - —
Thymol, fib. dms lb. 2.75 - 3.00
Iodine, NF, dms lb. 7.30 - —
Timbo root (see Cube root).
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (Straits) lb. .93 - —
Oxide (see Stannic oxide).
Sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous).

Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
ceramic, bgs., c.l., dlvd. lb. .22½- —
l.c.l., dlvd. lb. .23½- —
reg., bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla. ton.120.00 - —
Niagara Falls, N. Y. ton.137.50 - —
5-ton lots, same basis. ton.142.50 - —
ton lots, same basis. ton.147.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .24½- —
l.c.l., dlvd. E lb. .25½ —
Hydride, cns., works lb. 7.95 9.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .08⅜- —
l.c.l., dlvd lb. .08⅞- —
Tetrachloride, tech., dms., c.l., works lb. .40¾- —
l.c.l., works lb. .43¾- —
tankcars, works lb. .39¾- —
dl-a-Tocopherol, bots kilo.182.00 - —
Acetate, bots kilo.165.00 - —
o-Tolidine base, distilled, bgs lb. 1.30 - —
Tolu balsam, cns lb. 4.00 - —
Toluene (see Toluol).
p-Toluenesulfonamide, flake, dms., frt. alld lb. .64 - .66
powder, works lb. .70 - —
solid, frt. alld lb. .61 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld. lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. gal. .34 - —
Birmingham dist. gal. .32 - —
Chicago dist gal. .35 - —
Cleveland, dist. gal. .34½- .35
Geneva, Utah gal. .26 - —
Johnstown, Pa. gal. .32 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .33 - —
Minnequa, Colo. gal. .32 - —
Philadelphia district gal. .34 - —
Pittsburgh dist gal. .32 - —
Sparrow's Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, Ohio gal. .32½- .33
petroleum, indust., 2° tanks, works:—
Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Detroit, Mich gal. .35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —
2,4-Tolylenediamine, cryst., fib., dms., frt. alld lb. .94 - —
powd., same basis lb. 1.00 - —
Tonka beans, Angostura, cks. lb. 1.65 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns oz. .42 - —

Toxaphene, dms., c.l., works lb. .17 - —
truckloads, works lb. .17 - —
ton to truckloads, works lb. .20 - —
smaller lots, works lb. .23 - —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., dms., c.l., works lb. .40½- —
l.c.l., works lb. .41½- —
tanks, works lb. .39 - —
Phosphate, dms., c.l., works lb. .52 - —
l.c.l. same basis lb. .53 - —
tanks, same basis lb. .50 - —
Tributylamine, dms., c.l., works. lb. .74 - —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzenes, dms., c.l., works, frt. alld. E lb. .14½- —
l.c.l., frt. alld E lb. .15½- —
tanks, frt. alld. E lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l. or truckloads, works, frt. equald. lb. .11¼- —
dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .13¼- —
tanks, works, frt. equald lb. .10¼- —
dlvd. E lb. .11 - —
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —

SOLVAY

Methylene Chloride
Chloroform
Methyl Chloride
Carbon Tetrachloride



...from the World's Newest, Most Modern Plant —backed by SOLVAY'S Reputation for Quality

The high quality of SOLVAY's chloromethanes is the result of combining the world's newest and most modern production facilities with the knowledge and skill that has been gained during the 73 years SOLVAY has been making quality chemicals.

If you would like to examine or test samples of SOLVAY's new production of Methylene Chloride (either technical or paint remover grade), Chloroform or Carbon Tetrachloride, drop us a line on your letterhead. We will be glad to send samples, prices and general information without cost or obligation.

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Allied Chemical & Dye Corporation
61 Broadway, New York 6, N. Y.

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Soda Ash • Snowflake® Crystals • Potassium Carbonate • Calcium Chloride • Sodium Bicarbonate • Ammonium Bicarbonate Cleaning Compounds • Caustic Potash • Sodium Nitrite Ammonium Chloride • Chlorine • Caustic Soda • Monochlorobenzene Para-dichlorobenzene • Ortho-dichlorobenzene • Chloroform Methylene Chloride • Carbon Tetrachloride • Methyl Chloride

Triethanolamine—White Precipitate

Triethanolamine, dms., c.l., dlvd. E lb. .21¾- .23¼
l.c.l., same basis lb. .22¾- .24¼
tanks, same basis lb. .20 - .21½
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Triethyl phosphate dms., c.l. works lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylene glycol, dms., c.l., dlvd. E lb. .18½- .19¾
l.c.l., same basis lb. .19¼- .20¾
tanks, same basis lb. .16½- .18
Triethanolamine dms c.l. dlvd E lb. .48½- —
l.c.l. dlvd E lb. .49½- —
tanks, dlvd E lb .47 - —
Trimethylamine, 25-40% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 - —
l.c.l., works, frt. equald, 100% basis lb. .42½- —
tanks, works, frt. equald, 100% basis lb. .33 - —
Tripentaerythritol, bgs. l.c.l., works lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .39 - —
l.c.l. frt equald lb. 40 - —
Triphenylguanidine, bbls. works lb. .90 - —
Tripropylene glycol, dms. c.l., frt. alld. E. lb. .19¾- —
l.c.l. frt. alld. E. lb. .20¾- —
Prices 1c. per lb. higher in west.
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic)
Phosphate (see Sodium phosphate tribasic).

Trypsin, pharmaceutical, 1:75 dms., works lb. 2.95 - —
dl-Tryptophane, fib. ctns., works, kilo.165.00 - —
Tuba root (see Cube root)
Tungsten metal, powd., 98.8%, dms., dlvd lb. 4.95 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. .75 - .85

U

Urethane, USP, dms lb 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, dom., 46% N, bgs., c.l., works, lb. .06 - —
l.c.l. works lb 06½- —
45% N, bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and E ton.154.00 - —
l.c.l., dlvd ton.162.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W Va ton.128.00 - —
C grade, tankcars, same basis ton 126.50 - —
37 grade tankcars, same basis ton 155.50 - —
Uva ursi leaves, bls lb. .12 - .14

V

Valerian root, Belgian, bgs lb .38 .40
dl-Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex-dock ton.64.50 Nom.
Valonia cups, 28-30% tannin, bgs., exdock ton.48.00 - —
extract, powd., 62% tannin, bgs., ex-dock, duty extra lb. .08½- —
Vanadium pentoxide tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb.10.50 -11.00
Mexican, cuts, tins lb.10.25 Nom.
whole, tins lb.10.50 -11.00
Tahiti, cs. lb.10.25 Nom.
Vanillin ex eugenol, tins 25-lb. lots, lb. 6.50 6.75
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25-lb. lots lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb 3.00 - —
smaller lots, cans lb 3.05 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E lb. .19½- —
tankcars, dlvd. E lb. .16½- —
tanktrucks, dlvd. E lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, cyls., frt. equald lb. .26 - —
tanks, same basis lb. .13¼ —
Ether, USP, anesthesia, bots., 50 c.c., hospitals, bot 1.12 - —
75 c.c. bot. 1.56 - —
Ethyl ether, tech., dms., c.l., works lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Vinyl methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
2-Vinylpyridine, dms., works lb. 1.40 - 1.5.
Vinyltoluene, dms., c.l., works lb. .20¼- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units, 1,000,000 units. .035 - —
in nat., veg. oil, 400,000 to 1,000,000 D units per gram, bots. lots of 10 billion USP units, 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than billion USP units, 1,000,000 units. .03 - .05¾
Vitamin A synthetic acetate crystalline beads, 500,000 A units per gram, gram. .07¼- —
liquid in oil, 000,000 A units per gram. [illegible] grms. .12 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .12 - —
B (see Thiamine hydrochloride).
B2 (see Riboflavin.
B complex, natural (see Rice bran concentrate and Yeast).
B6 (see Pyridoxine hydrochloride).
B12 crystalline, 1-gram or 5-gram vials gram.245.00 - —
oral grade solids, in containers of 1 and 5 grams of B12 activity gram.185.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fish-liver, Calciferol, and Viosterol).
D2 (see Calciferol).
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K1, 25 gram bots. gram. 4.50 - —
Violet methyl toner (see Blue methylviolet toner
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb. 2.50 Nom.
Warfarin, 0.5%, dms., 50 lb lots, dlvd lb. 1.95 - —
25-49 lb. lots, f.o.b., N.Y., or Chi lb. 2.05 - —
5-24 lb lots, cns. f.o.b., N. Y., or Chi lb 2.15 - —
Wattle bark, fair average, African, bgs., ex dock ton.98.00 - —
merchantable, bgs., ex dock.ton.94.00 - —
extract, liquid 35% tannin bbls., lb. .09¾- .10
solid, E Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
S. Africa, 60% tannin, bgs., ex-dock, duty extra lb. .10 - —
Wax amorphous (see Wax microcrystalline)
Bayberry, bgs., spot lb. .42 - .45
Bees, crude, African, bgs lb. .55 - .56
Brazilian bgs lb. No stocks
Central American, bgs lb. .57 - .57½
Chilean, bgs lb. .57 - .57½
refd., bleached, white, bricks, lb. .73 - .75
slabs lb. .72 - .74
yellow, bricks lb. .60 - .61
slabs lb. .59 - .60
Candelilla, crude, bgs. lb. .64 - .66
refd., bgs lb. .67 - .69
Powdered candelilla, 20 mesh, 7c. per lb. higher; 80 mesh, 7c.; 100-200 mesh, 8c.
Carnauba, chalky, bgs., ton lots, lb. .76 Nom.
North Country, No. 2, bgs., ton lots lb. .86 Nom.
No. 3, Ceara, crude, bgs., ton lots lb. .76 - .78
refined, tech., bgs., ton lots lb. .78 - .79
pure, bgs, ton lots lb. .86 - .87
Parnahyba, crude, bgs., ton lots lb. .79 - .81
yellow, No. 1 Ceara, bgs., ton lots lb. 1.06 - 1.08
No. 2, bgs., ton lots lb. 1.04 - 1.06
No. 1, Parnahyba, bgs., ton lots lb. 1.12 - 1.14
Powdered carnauba wax price differentials same as powdered candelilla.
Japan, bgs lb. .42 - .44
Microcrystalline, 170°-175°F., m.p., ASTM, penetration 15-20, amber, ctns., 20,000 lbs., group 3, works lb. .13 - .14
smaller lots, same basis, lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
smaller lots, same basis, lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
smaller lots, same basis, lb. .25 - .26
180°-185°F., m.p., ASTM, penetration, 7-11, amber, ctns., 20,000 lbs., same basis lb. .16 - —
smaller lots, same basis, lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
smaller lots, same basis, lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
smaller lots, same basis, lb. .28 - —
190°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20 - —
smaller lots, same basis, lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
smaller lots, same basis, lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
smaller lots, same basis, lb. .34½- —
Montan, dom., refd., bgs. lb. .31 - .32
imp., crude, Bohemian, bgs lb. .13½- .14
German, bgs lb. .14 - .14½
Ouricury, refd., bgs lb. .93 - .95
Paraffin (see P).
Spermaceti, blocks, cs lb. .25½- .31
cakes, cs lb. .26½- .32
Sugar cane, dom., refd., slabs, works lb. .73 - .80
spot in. .77¼- .82¼
White lead (see Lead, white).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms. lb. 6.05 - —

PETROLITE

a modern refinery with but one objective { BETTER WAXES

Petrolite waxes are the products of a refinery designed primarily to achieve but one objective — the best in microcrystalline and synthetic waxes.

Every phase of the Petrolite operation supplements this primary objective. The location of the refinery, in the heart of the East Texas oil fields, provides easy access to the finest crude stocks for wax manufacture. Control laboratories, right in the refinery, enforce rigid manufacturing specifications and ensure product uniformity.

We believe Petrolite waxes compare favorably, or may prove superior to, any waxes, anywhere. We invite you to make your own comparison.

Complete information and samples are available on request.

Petrolite waxes are stocked at, and available F.O.B., Jersey City, N. J., Chicago, Ill., Los Angeles, Calif., and Kilgore, Texas.

PETROLITE CORPORATION
WAX DIVISION

Chrysler Building, New York 17, N.Y. • P.O. Box 390, Kilgore, Texas

PW 86-6

Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .22
Ginger (see Snake root, Canada).
Witch hazel bark, bls. lb. .16 - .17
leaves, bls. lb. .18 - .19
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs. lb. .20 - .25
Levant, bgs. lb. 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, cryst., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis, lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7°C., b.r., except meta, dms., c.l., same basis gal. .90 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
meta fraction, over 7°C. b.r., dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
Xylidines, mixed, dms. lb. .39 - .50
tanks, same basis gal. .90 - —
Xylol, coaltar, indust., tanks, works,
Bethlehem, Pa. gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .35 - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .33 - —
Minnequa, Colo. gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md. gal. .34 - —
Terre Haute, Ind. gal. .35 - —
Youngstown, O. gal. .32½ - —
petroleum, indust., tanks, works:—
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, ens lb. 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .53 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd. N. l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island St. Louis St Paul lb. .35 - —

Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below

Benzidine, AAA, bbls., dlvd. lb. 1.91 - —
AAOT bbls. lb. 2.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies lb. 1.15 - —

Cadmium yellows, Los Angeles, and San Francisco, ex whse. 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn., and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, lb. .31 - —

Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, 10 G, bbls., same basis as yellow, chrome lb. 2.15 - —
G pigment, bbls lb. 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼ - —
Peruvian type, bgs., l.c.l. lb. .038 - —
pure, bgs., c.l., works lb. .10½ - —
l.c.l., works lb. .10¾ - —
Mercury oxide, bbls., 1,000-lb. lots, lb. 5.08 - —
smaller lots lb. 5.10 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd. lb. .25 - —
basic, dlvd. lb. .30 - —
Yerba santa leaves, bls. lb. .40 - .42
Yohimbine hydrochloride, bots, tin, oz. 4.75 - 5.25

Z

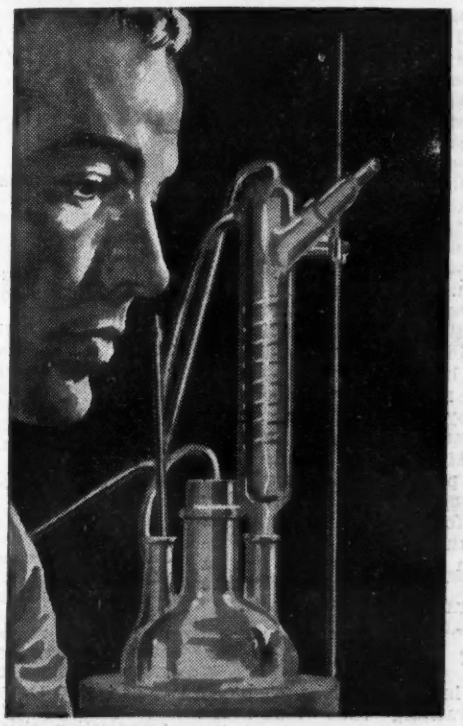
Zein, bgs., 30,000-lb. lots, works lb. .38 - —
1,000 to 30,000-lb lots, works lb. .40 - —
smaller lots, works lb. .43 - —
Zinc acetate, tech., bbls., dms., works lb. .27 - —
NF VIII, dms. lb. .53 - —
Borate, bgs., c.l., dlvd. E. lb. .192 - —
l.c.l., dlvd. E lb. .202 - —
Chloride, NF, gran., dms. lb. .42 - —
precipitated, powd., dms. lb. .26 - —
solution, 50% dms., c.l., works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
Chloride, tech., fused, gms., c.l., works 100 lbs. 10.10 - —
l.c.l., works, dms. 100 lbs. 10.60 - —
gran., fib., dms., c.l., works 100 lbs 10.60 - —
l.c.l., works 100 lbs. 11.00 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works lb. .14¼ - —
l.c.l., works lb. .15¼ - —
Fluoride, bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld. lb. .21½ - —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .11 - —
Naphthenate, liq., 8% Zn., dms., frt. alld. lb. .24½ - —
10% Zn. dms., frt alld lb. .30 - —
Oxide, pigment, American process, lead-free, bgs., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd lb. .14½ - —
leaded 35%, bgs., c.l., dlvd. lb. .14 - —
l.c.l., dlvd. lb. .15 - —
50%, bgs., c.l., dlvd lb. .14½ - —
l.c.l., dlvd lb. .15½ - —
Zinc oxide, French process, coml., green seal, bgs., c.l., dlvd. lb. .15¼ - —
l.c.l., dlvd lb. .16¼ - —
red seal, bgs., c.l., dlvd lb. .14¾ - —
l.c.l., dlvd lb. .15¾ - —
white seal, bgs., c.l., dlvd. lb. .15¾ - —
USP, ctns., c.l., dlvd lb. .16¾ - —
l.c.l., dlvd lb. .17¾ - —
Zinc oxide Pac. coast prices 1c. higher.
Phenolsulfonate, NF, gran., dms., lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn, dms., frt. alld lb. .29 - —
Silicofluoride, bbls., works lb. .12 - .13
Stearate, tech., USP, ctns., c.l., lb. .37 - —
l.c.l., lb. .38 - .42
Sulfate cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 8.05 - —
l.c.l., same basis 100 lbs. 8.60 - —
flake, 25½% Zn., bgs., works 36% Zn., bgs., c.l., frt. alld. 100 lbs. 7.90 - 8.05
l.c.l., same basis 100 lbs. 8.65 - 8.80
powd., monohydrate, bgs., c.l., dlvd. E 100 lbs. 7.90 - —
l.c.l., dlvd. E 100 lbs. 8.65 - —
Zinc sulphate in bbls. 40c higher
USP, gran dms lb 26 —
Sulfide, pure, bgs., c.l., dlvd lb. .2530 - —
Undecylenate, dms. lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs. 10.25 - —
l.c.l., bbls., works 100 lbs. 10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l. lb. .25½ - —
l.c.l. lb. .26 .41½
normal, dms., l.c.l., works lb. .52 —
Zircon (G), gran., bgs., c.l., works lb. .03½ - —
5 tons to c.l., works lb. .03½ - —
1 ton to 9,999-lb. lots, works, lb. .04 - —
smaller lots, works lb. .06½ - —
milled, bgs., c.l., works lb. .04½ - —
5 tons to c.l., works lb. .04½ - —
1 ton to 9,999-lb. lots, works, lb. .04½ - —
500 to 1,999-lb. lots, works, lb. .07½ - —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% soln. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 - —
Hydride, ens., works lb. 7.00 - 8.45
Nitrate, dms., ex whse cp. 4.50 - 7.00
Oxide, 92½%-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works lb. .44½ - —
1 ton to 9,999-lb. lots, lbs., works lb. .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½ - —
smaller lots, works, lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5-ton lots, works lb. .59½ - —
1 ton to 9,999-lb. lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½ - —
smaller lots, works, lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb. .35½ - —

Chrome-Tanning Process Adapted to Indian Materials

A tanning process developed by Indian technicians at the government-owned Central Leather Research Institute at Madras, according to reports received by the Department of Commerce, may make India one of the world's leading tanners and exporters of glazed kid leather. The technicians are said to have improved a seventy-year-old American goatskin chrome-tanning process by adapting it to the Indian climate and materials.

Lack of sufficient machinery still poses a problem, but it is believed this can be solved if all tanners in a locality would agree to joint use of the few spraying and glazing machines available. By selling glazed kid instead of goatskins higher prices would be obtained for the finished leather and the extra profits could be channeled into the purchase of additional machinery.

India has one of the world's largest supplies of goatskins, annual production amounting to approximately 25,000,000 skins.



TRIPLE SULFAS

High blood levels
High solubility
Wide spectrum

The various combinations of sulfadiazine, sulfamerazine* and sulfamethazine are unequaled by any single or combination product for wide systemic use.

Cyanamid is the largest manufacturer of sulfa drugs in the world.

Publications, institutional advertising in the Journal of the American Medical Association and scientific exhibits support the sulfa market for our customers.

ANTIBIOTICS
Neomycin
Penicillin
Streptomycin
Dihydrostreptomycin

VITAMINS
B_1—Thiamine HCl U.S.P.
B_{12} Crystalline U.S.P. (Cyanocobalamin)
0.1% Trituration with Calcium Phosphate Dibasic
0.1% Trituration with Mannitol
B_{12} Solids for Oral Preparations
Calcium Pantothenate (Dextro)
Choline Bitartrate
Choline Chloride
Choline Dihydrogen Citrate
Tricholine Citrate
†Folic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl
Nicotinic Acid U.S.P.
Pyridoxine HCl
Riboflavin U.S.P.
†First synthesized by Cyanamid . . . highest quality available.

SULFONAMIDES
Sulfadiazine U.S.P.**
. . . Sulfa Drug of Choice
Sulfamerazine U.S.P.**
Sulfanilamide U.S.P.
Sulfathiazole U.S.P.**
Sulfapyridine N.F.**
Sulfabenzamide**
Sulfaguanidine U.S.P.
Sulfamethazine (for human use)
Sulfacetamide**
Phthalylsulfacetamide

OTHER PRODUCTS
Aminoacetic Acid N.F.
Bishydroxycoumarin U.S.P.
Cinchophen N.F.**
Neocinchophen U.S.P.
Heparin Sodium U.S.P.
Methylene Blue N.F.
N-acetyl-p-aminophenol
Para-Aminosalicylic Acid***
Propylthiouracil U.S.P.
Metallic Stearates—AERO* brand
Certified Colors for Pharmaceutical Use

VETERINARY PRODUCTS
2-Amino-5-Nitrothiazole
Phenothiazine N.F. (regular and drench grades for veterinary use) (also sulfas above)

*Trade-Mark
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Volume 166 August 23, 1954 Number 8

Home Safety Movements

The labeling codes which go into effect in New York State this week (See report on page 3) with the objective of preventing injurious misuse of potentially dangerous household preparations is but one step in a nation-wide movement. Of much broader scope is the project of the American Academy of Pediatrics which embraces the preparation of a "dictionary" of the ingredients of household preparations in a number of categories, including proprietary medicines, designed to provide information for the staffs of hospital emergency departments with information which will help them deal with the effects of the preparations when taken internally by children.

The national organizations of manufacturers of chemicals and chemical specialties sold for household or agricultural use are reported to be cooperating with the state authorities in developing the New York code. Doubtless they will participate likewise in the pediatrics undertaking. It is to be expected also that manufacturers of proprietary medicines will cooperate in the latter to the extent of providing the compilers of the dictionary with the full label information required to comply with federal, state and local regulations. It would seem that that would be enough to meet the potential serviceability of the publication.

On the basis of recently reported fatalities, some of them apparently intentional, resulting from the taking of home-use poisons it seems to be desirable that the label information on antidotes and treatment for misuse be carefully studied and, perhaps, revised. Some of the reports were that following such information was of no avail. Of course, time is a factor in all such cases, and so is the quantity taken.

With respect of medicinal preparations the problem of misuse is complicated by the fact that the more toxic ones are largely not sold over the counter but are dispensed on prescriptions. In that connection, the label is of no service; the composition of the preparation can be learned only from the files of the dispenser, which are not always promptly available.

That condition adds particular emphasis to the fact that the actual problem—except, of course, in connection with intentional misuse—is one of adequate caution. The answer is to be found in education which will, at least to a substantial extent, make it difficult, if not impossible, for children to get hold of a hazardous preparation or for adults to mistake one. Much has been done by way of color, shape, odor, and container style to prevent mistakings. Much can be done in other directions to prevent all kinds of misuse. That, however, is the responsibility of the housefolks, much more than it is of the manufacturer or the distributor. But, both of them have at least a share in the task of giving adequate education—and not only on labels.

Business Can Improve

A number of variously qualified commentators, including the President of the United States, have been telling over the past few weeks how stable the economy of this country has become and how it is going to strengthen in the days to come. Each commentator has his own criterions for the state and future of the economy. Each has primarily his own reasons for what he sees and what he expects. None of them particularly has emphasized the fundamental factor, the endeavor of business leaders to push aside myths and superstitions and to do what conditions called for—work.

There has still been some adherence to the belief that the progress of business must be a matter of boom and bust: that it must be cylic, not directly progressive. The better thinkers, however, see an end to the old high-low process, effected by that same determination to work. Their reasoning is clear. But, not all commentators, or all business leaders, are in agreement with them; some are making much of their intentions of "dynamic productive expansion," even in areas where it has been necessary to curtail outputs.

The sound reasoning has it that there will be a moderate improvement in business as a whole after the close of the current vacation period. Those who are of that mind are recommending that the improvement be gradually promoted, warning that too much dynamics may prove to be dynamite. Business is good now, they say; there is no need that it be better except that for a better assurance of employment—but they do not agree with the experts who have been predicting a big autumnal increase in the number of jobless. Once again, the answer is to be found in work.

The need for that work is far greater in areas of distribution than it is in production. That is one reason why those who know what makes business busy are urging the application of more and better selling efforts and endeavoring to win businessmen away from another mistaken belief—that expenditures for sales promotion should be in direct ratio to volume of sales. They are stressing the truth, which should be obvious, that the purpose of, and need for, advertising is to make sales, not reduce income taxes.

Others who know what makes business tick are vigorously endeavoring to push aside the influence of the gabbling about how political factors are going to affect business this fall. It should be clear to any businessman that, if he is going to let politics influence him in either direction in the doing of the work that is his job, he better move from the USA to the USSR.

Slants at Public Relations

The public relations of business are much more a derivative of actions than of words. To the general public, a business is what it does, not what somebody says it is. But the saying is the biggest means of the public's knowing what a business is doing; actual knowledge of its actions is never widely held. It is for that reason that, because much that is said about business is not promotive of good public relations on a desirably broad basis, more properly informed care should be exercised in the selecting of what is said and how it is said.

Public relations begin in the business personnel, and what is said by the members of any and all personnel groups is one of the most, if not the most, potent influences of what the public thinks about the business—and that is the seed of public relations.

Of course, that word-of-mouth publicity has a relatively narrow circulation to begin with; but, it spreads. Therefore, one of the first steps toward knowledge of what is effecting and affecting public relations is that in the direction of finding out what the personnel has to say. That is not, as very many believe it to be, a matter of asking questions. Questions all too frequently produce made-to-order answers, no matter how diplomatically they are presented. The only reliable way to get knowledge on public relations is to look, listen, and learn. And the only place where public relations can be directed is in the directing of operating policies and practices.

Publicity, of course, does influence public relations and that is why some way should be found to get beneficial publicity and, especially, to avoid that which has a tinge of detriment. That is a far from simple job, because all too much of a firm's publicity is not of its choosing—at least to the extent that proper regard for its influence on public sentiment is concerned.

Here are some recent newspaper headlines (names omitted) which are not promotive of good public relations:—"Net in Quarter Up; Sales Revenues Off"; "Net Rises 24% in Half to New Peak as Sales Fall"; "Profit Equals '53 Mark Despite Sales Dip." There is not quite so much potentiality of a backhand slap in headlines such as these:—"Net in Half Highest Yet"; "Profit for Quarter, Half at Peak"; "Net Sets Record in First Half." It does not lessen the undesirable motive of the public's reaction to such information to see on another page that "Manufacturing Profits Dip in First Quarter." The widespread verdict is that the earners of record nets are profiteers.

In the broadest sense of public relations, it is far better that a business be known as a broadly benificent money-spender than as a top-notch money-maker. It is especially good that a business be known to pass along its savings to those who buy its products. They contribute far more to its success than do those who dabble in its stocks.

Washington Talks It Over

By Ralph L. Cherry

Chief, OPD Washington Bureau

The government has broadened its program to protect the nation's critical productive facilities from bomb attack. Through the use of the tax amortization device, it is now giving positive encouragement to industries that would like to move out of target areas instead of limiting the tax certificates to new plants and new facilities.

Even so, the Office of Defense Mobilization, which is directing the program, isn't going all-out in the removal of industries. The certificates will be issued on a basis of essentiality, and the newly authorized benefits will be limited to those facilities where production transfers and other methods, such as use of protective construction, and stockpiling, are not satisfactory solutions.

Facilities which might fall into this category are now being reviewed by the federal agencies concerned. They are surveying the critical facilities under their jurisdiction and are discussing with industry representatives what steps might be taken to remedy the situation. Community and employee interests are being given important considerations in development of the recommendations.

Applications for certificates of tax amortization should not be filed until after applicants have discussed their problems with the federal agency that normally deals with the problems of their industry. The appropriate agency will advise whether applications should or should not be filed. The chemical industry should discuss its problems with the chemical and rubber division of the Department of Commerce.

The program is the third part of an over-all ODM policy to reduce the vulnerability of the nation's industrial capacity to attack. Other programs call for the dispersal of new facilities, and the protection of existing facilities. Thus far about 80 perecnt of the plants which have received the fast tax write-off privilege have conformed to the ODM criteria for locating outside target areas. The protective constructive program permits 100 percent accelerated tax amortization over five years on money spent for that purpose.

Good Crop Year Seen

Production prospects point to a farm output this year at least as large as the record output in 1953 if growing conditions do not change materially. In addition, carryover stocks of wheat, corn, cotton, dairy products and a number of oils are large and from all indications price support programs will thus continue an important price-sustaining factor in the coming months.

Apparently the lure of high price supports has outweighed federal restrictions aimed at eliminating 7 percent of the cropland from production this year. Farmers have ignored the acreage cuts recommended for corn and have planted as much as in 1953. Tight restrictions on wheat and cotton have had the effect of turning farmers to production of other crops in record amounts, such as oats, barley, rice, soybeans, flaxseed, etc.

Despite the reduction of more than 20 percent in cotton acreage, production of oilseed crops on the whole is up. The acreage of soybeans to be harvested for beans is the highest of record, reflecting the favorable prices at the time of planting and the use of some land withdrawn from corn, wheat, and cotton. Flaxseed production will be the second highest on record and will produce over 1,000,000,000 pounds of linseed oil, which is well in excess of commercial requirements. The peanut crop has been increased a modest 2 percent, but yields per acre have been rising substantially.

Fats, Oils Use Data

In one of the research programs just completed by the Department of Agriculture a considerable amount of data has been gathered relative to the uses made of various kinds of fats and oils by homemakers. It covers the number of different fats used by homemakers, how they are used in cooking, and the reasons homemakers like or dislike them for particular cooking uses. The information is available by regions, by rural and urban residence, income groups, and personal characteristics of homemakers.

For example, most homemakers—more than eight in every ten interviewed during the course of the study—reported that they used some butter during the year prior to interview. Almost as many said that they had used vegetable shortening; six in ten had used margarine; five in ten had used lard, and the same number used cooking oils. Very few of the housewives said that they cooked with only one or more than five of the fats and oils. Bacon grease was used by eight out of ten of the homemakers, but primarily for seasoning vegetables.

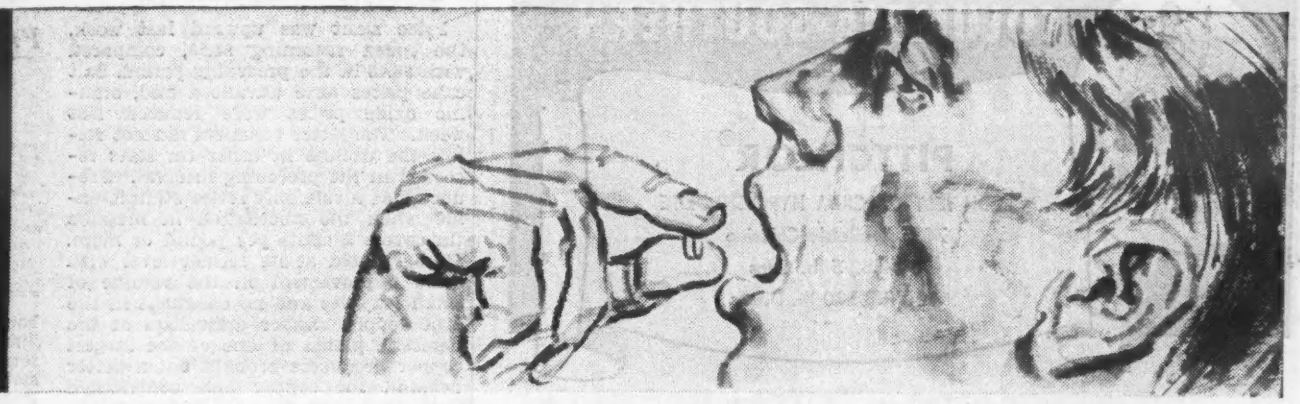
The data is considered to be of particular value to processors and distributors of edible fats and oils. It should assist in planning product changes or improvements to better suit demands of household consumers and by furnishing information on current and potential markets, by use and area, for their products.

FTC Enforcement Weapon

A little-publicized action by President Eisenhower recently armed the Federal Trade Commission with a powerful and potent weapon to enforce its organic law against restraints in commerce. The action was issuance of an executive order opening all corporation income tax returns to inspection by the commission.

While such authority has been issued to the FTC in the past, it has usually been for some specific purpose and for some stated period of time. Such is not the case with the executive order just issued. It states that corporation income tax returns made for the year 1953 "and subsequent years" are to be available to the FTC "as an aid in executing the powers conferred" in the FTC act of 1914.

Regulations issued by Secretary of the Treasury Humphrey simultaneously with the executive order state that returns are to be made available to the commission upon written "notice" from the chairman of the FTC to the Secretary of the Treasury. Any data obtained from the returns must be held in confidence to the extent that the name and address of the taxpayer must not be disclosed in connection with any information that might be published based on the return.



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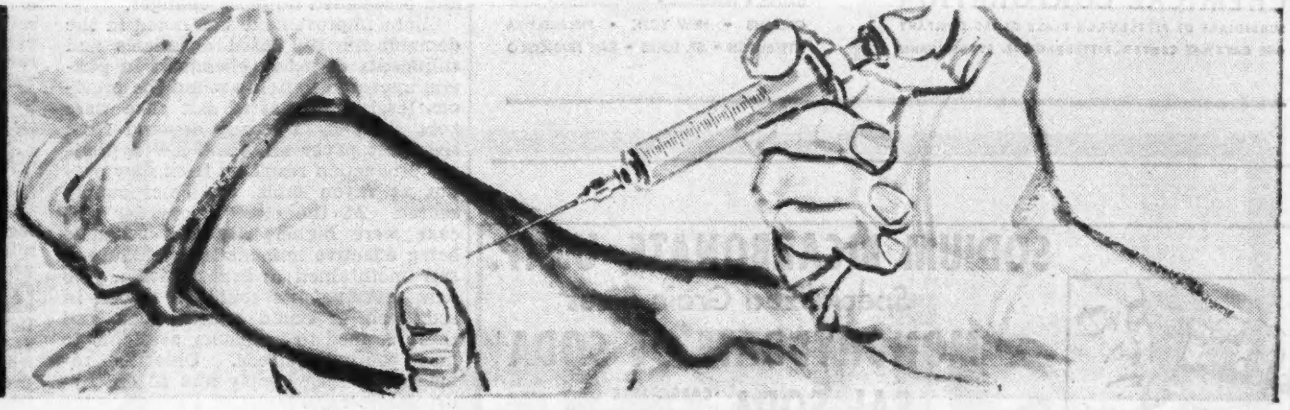

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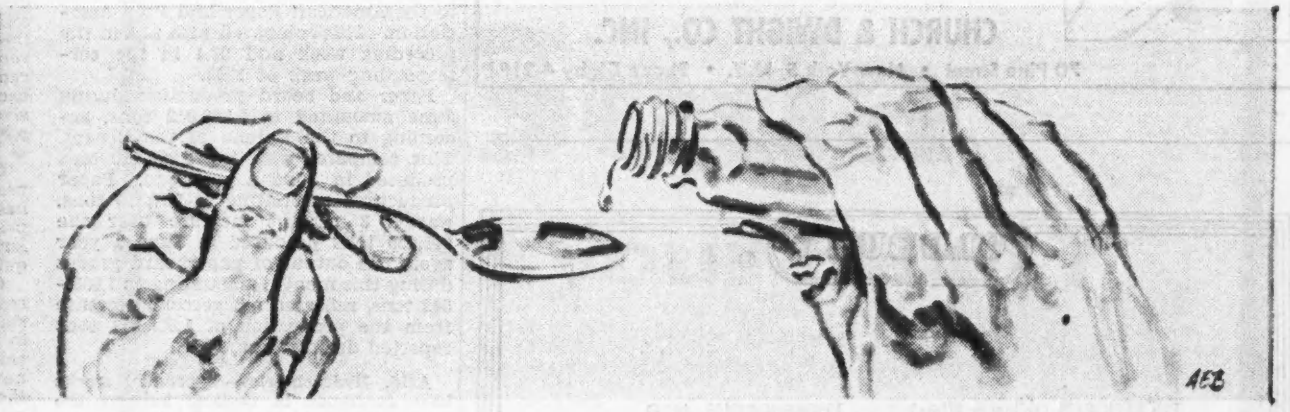

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Heavy Chemicals

Price slant was upward last week, the index recording 98.53, compared with 98.48 in the preceding period. Salt cake prices were advanced and, stannic oxide prices were reduced last week. The latter chemical did not follow the decline in other tin salts recorded in the preceding interval. Producers as a rule only revise stannic oxide when the fluctuation in metallic tin covers 2 cents per pound or more. Mercury held at its former level with some improvement in the volume of small lot sales and no easement in the spot supply. Labor difficulties at the domestic plants of one of the largest copper producers brought out a better demand for copper and contributed strength to the market position of the red metal. Activity in lead and zinc did not exceed moderate dimensions and occasioned no price changes.

Slight improvement was noted in the demand for tin based chemicals and shipments of heavy chemicals in general appeared to hold around the previous level. Supplies of salt cake were kept short by a steady demand from the kraft paper mills and low byproduct production resulting from slow output at rayon mills, the chief supply source. At the close prices for salt cake were higher, the new schedule being effective immediately. Glauber's salt maintained a firm position. No new developments could be traced in soda ash or liquid caustic soda and there seemed to be plenty available to meet current needs. Chlorine remained in long supply and so did hydrochloric acid.

Paper production based on percentage six days capacity was 93.1 percent for the week ending Aug. 14, according to the American Paper and Pulp Association. This compared with 91.8 in the preceding week and 93.4 in the corresponding week of 1953.

Paper and board production during June amounted to 2,269,912 tons, according to the Bureau of the Census. This compares with the 2,269,410 tons produced in June a year ago. Paper production, amounting to 967,359 tons, was a 3 percent increase over the 941,409 tons produced in June a year ago. The output of paperboard grades during this month, amounting to 1,033,042 tons, reflected a 3 percent decrease from the production of 1,063,111 tons reported during June, 1953.

Price Trends

Advanced

Salt cake, bulk, c.l., $2 per ton.

Reduced

Stannic oxide, 4½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
98.53	98.48	98.48	98.28

(*For Current Prices see page 9*)

Acid, Hydrochloric — Byproduct stocks have continued to back-up keeping the market in ample supply. Buying interest is reported moderate and not broad enough to absorb production readily.

Acid, Hydrofluoric—Demand remained fair but not of sufficient dimensions to exert pressure on production. Immediate shipments were available at current prices.

Acid Sulfuric—No important fluctuation in demand last week. It was stated the use in the iron and steel industry is off a bit compared with the same time in 1953 but shipments in other directions are seasonally normal.

Aluminum Sulfate—Market held a steady position with demand for commercial and iron free fair and without important variation throughout the summer months. Consumers have purchased mainly for current requirements while supplies have been kept adequate for immediate shipment.

Ammonium Bicarbonate—Cracker bakeries are keeping the market in a fair state of animation through purchases for current needs. These small lot sales show up a normal seasonal total.

Ammonium Chloride—White granular has remained relatively quiet this month. Relaxation of military demand has kept sales down. Dry-battery manufacturers are producing at a fair rate but are inclined to limit purchases of chloride to actual wants. Prices have continued steady and stocks are adequate.

Ammonium Thiocyanate — Finding a fair outlet under a moderate miscellaneous consuming inquiry. This chemical is effective as a corrosion control agent and finds other uses including the textile dye printing plants. The carlot price is 20c. per pound in drums, works. The supply position remains comfortable.

Bauxite—U. S. import duties have been suspended for two years on crude bauxite, not refined or otherwise advanced in condition in any manner, and on calcined bauxite when imported for use in the manufacture of firebrick or other refractories, the Department of Commerce states. The action is in accordance with Public Law, 499, 83d Congress, approved by the President on July 15, and effective from the following day. Domestic consumption of aluminum, the principal end product of bauxite, has multiplied severalfold over prewar use, and dependence upon imported supplies of the raw material has increased markedly. It was originally proposed therefore, that the Congress should transfer bauxite to the free list. It was decided, however, to limit the import duty suspension to two years, in order to allow a periodic review as to the advisability of continuing the duty-free entry.

In recommending enactment of this legislation, the Senate Finance Committee justified it on the ground of "the growing use of aluminum in our manufacturing industries, the importance of aluminum to the airplane industry with its importance to our national defense, and the considerable drain on our diminishing deposits of bauxite suitable for the production of aluminum and refractories which occurred during the war."

Chlorine — Market conditions have shown no important improvement so far this month. There is more supply than demand at present. Producers who have a limited output are not complaining over the current movement but large producers report supply in excess of demand and can see no immediate improvement. Cutback production has prevented an excessive supply of caustic soda but there was plenty for sale in some quarters as far as liquid is concerned.

Copper Nitrate—Small lot sales have predominated this month. The market has presented a steady appearance with prices unchanged. Stocks while not large have been sufficient to level off requirements promptly.

Copper Sulfate—Blight in Maine was responsible for additional sales to that state but agricultural demand continued to lag in other areas. Industrial shipments remained good and have shown no important variation since the turn of the month. The export market was also active with buying interest confined mostly to South American countries. Production seems to have leveled off the shortage of small crystals although large crystals were still scarce for immediate shipment, otherwise the supply was adequate. Prices were firm and unchanged.

Nickel Sulfate—Production of this chemical has been kept down on account of the inability to secure enough metal to meet consumer needs. Producers have ample mechanical facilities for making nickel salts but are unable to increase output until there is some easement in the supply of nickel, at present there is no indication of any nearby improvement and the supply of nickel sulfate is as tight as it was at the beginning of the year.

Potash, Caustic — August is usually about the slowest month for this chemical and there is no exception this year. Sales last week were irregular with small lots commanding the most attention.

Potassium Carbonate—While demand has shown no unusual activity sales seem to be averaging a little better than July. According to some producers, makers of television sets are finding a better market and this is reflected in an increased call for tubes. Glass plants that make these tubes are forced to replenish stocks of potassium more frequently than noted earlier in the year.

Potassium Chlorate—Market conditions showed no important change from the preceding week. Demand has slowed down which is a seasonal occurrence at this time of year. Match factories are taking on stocks occasionally to keep inventories at a working level.

Potassium Stannate—One of the most active of the tin salts. Demand for plating use showed a moderate pickup last week and the sales volume was quite satisfactory The price range was unchanged and steady at 67.8c. to 74.4c. per pound,

For Late Market Developments, See Page 4

freight allowed east. Prices are based on Straits tin at 93c. per pound.

Salt Lake—Priced higher under a steady demand that has brought available stocks to a relatively low level. Byproduct output has been down throughout the summer months on account of curtailment of production of rayon mills, the chief supply sources. At the close of the week, the rayon grade was priced at $26 per ton and the Manheim grade at $24 per ton bulk, carlots works.

Soda Ash—Market conditions last week were about the same as in the preceding period. Shipments seemed to be holding at the former level which does not compare favorably with the winter or spring months. July and August usually occasion a moderate slowdown so the market is following historic lines. Production has been adjusted to prevent any serious backing up of stocks. September is expected to find an increased demand which will continue over the last quarter.

Soda, Caustic—Demand for liquid is described as fair for this period of the year. Regardless of adjusted output, the market has been kept in adequate supply with immediate shipments available. Export buying of the dry forms has kept stocks a little tight on account of low production. Passing of the vacation season may witness an entire change in the picture for liquid caustic .

Sodium Chlorate—Moved along rather quiet lines and chiefly for current wants. Industrial demand is expected to improve with the fall season. Production has kept the market in adequate supply over the summer months and prices have followed a steady course.

Sodium Nitrite—Market position steady under a moderate consuming demand. The metal and meat-packing industries have been taking on stocks to meet current wants. The azo dye makers have not shown much interest of late. Stocks have remained adequate to meet requirements and no price changes have been announced.

Sodium Stannate — There was not enough variation in the price of Straits tin last week to affect prices. Demand was not unusally active with platers showing a preference for potassium stannate. At the close producers named 54.4c. to 59.8c. per pound, freight allowed east. Prices were based on tin at 93c. per pound.

Tin Chemicals — Stannic oxide prices were lowered last week to 93½c. to 94½c. per pound delivered east. This chemical did not decline with other tin salts in the preceding interval. Other tin salts were unchanged with slight improvement in demand and stocks adequate. Prices were still based on Straits tin at 93c. per pound.

Nonferrous Metals

Aluminum—Domestic production of primary aluminum in July was placed at 252,323,794 pounds by the Aluminum Association. This compares with a revised total of 241,516,343 pounds in June. Production for the year through July shows 1,415,977,735 pounds.

Consumption of purchased and toll-treated aluminum-base scrap in May totaled 28,447 short tons, a decrease of approximately 4 percent compared with 29,771 tons used in April, according to the Bureau of Mines. Secondary aluminum-base ingot produced by independent secondary smelters in May totaled 18,362 short tons. Of the total aluminum-base scrap consumed in May independent secondary smelters used 20,165 tons (71 percent), primary producers 6,254 tons (22 percent), foundries, fabricators and others 2,028 (7 percent). Secondary smelters reported consumption of 86 tons of imported scrap (included in total) and 22 tons of "remelt" or "scrap pig" in May. Aluminum scrap shipped for toll treatment totaled 547 tons. Total calculated recoverable aluminum alloy content of purchased aluminum-base scrap consumed in May was 24,837 tons; 19,140 tons was from new scrap, 5,617 tons was from old scrap and 80 tons from imported scrap. Independent secondary smelters reported the use of 572 tons of domestic and 216 tons of imported primary aluminum ingot. Other alloying ingredients totaled 2,554 short tons. Recovery from aluminum scrap used by smelters producing alloys other than aluminum-base was estimated to be 75 tons.

Antimony—Smelter production of primary antimony in the second quarter of 1954 was 5 percent above the output in the first quarter and 28 percent above the quarterly average for 1953, according to the Bureau of Mines. In the April-June period smelter production totaled 2,300 short tons compared with 2,200 tons in the preceding quarter and a quarterly average of 1,800 tons in 1953. Domestic mine production was 200 tons compared with 180 tons in the first quarter of 1954. Consumption of primary antimony totaled 3,230 tons, an increase of 6 percent over the 3,040 tons consumed in the first quarter. Of the total quantity consumed 40 percent was used in the manufacture of metal products and 60 percent was used in the manufacture of nonmetal products. Stocks of antimony held by smelters, consumers and dealers on June 30 amounted to 7,100 tons, an increase of 8 percent above the 6,600 tons reported on hand March 31.

Copper—Labor difficulties at a major producing plant brought out some increased buying interest last week. It was pointed out, however, that vacation shutdowns at many consuming plants kept demand within bounds. The tone of the market continued firm with scrap a bit higher at the close. Electrolytic was priced at 30c. per pound delivered Valley basis.

Production of refined copper in July was placed at 107,095 tons by the Copper Institute. This compares with 112,121 tons in June. Deliveries to fabricators in July amounted to 97,436 tons, leaving stocks on July 31 at 68,921 tons, against 69,181 on June 30. Daily average production showed 3,143 tons in July, compared with 3,542 during the preceding month and 3,213 tons, the daily average for seven months in 1953.

Lead—Demand did not exceed moderate limits last week with sales mostly for

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shipment this month. Some September was sold also but not in sizable lots. London remained steady with the market more active. At the close, the common grade was priced at 14c. per pound New York and at 13.80c. St. Louis basis.

Mercury — No important change in prices developed last week. Small lot sales were reported late in the week at $293 to $294 per flask on spot with occasional sales during the interval at $295. Demand was described as fair with no easement from the tight supply position.

Selenium—Filing dates for applications to export selenium in the fourth quarter are September 1 through September 15, the Bureau of Foreign Commerce has announced. The dates apply to the following selenium commodities: — Powder (Schedule B No. 619159), metal, except selenium-bearing scrap materials (B No. 664998), salts or organic compounds (B No. 839750), salts and compounds, including selenium dioxide (B No. 839900), seneium-containing pigments (B No. 842900), accelerators composed of selenium-containing rubber compounding agents not of coaltar origin (B No. 829810), and ferrosellenium (B No. 622098). The export quota set for the fourth quarter—6,000 pounds of selenium content—is the same as that established for the third quarter.

Tin—Prices for Straits tin did not vary much last week. Trading was slower than usual with light sales at 93c. per pound on spot although there were intervals when the market showed fractional declines from this figure. Some September sold to dealers at 92½c. and November at 92⅝c. per pound. London and Singapore prices moved both up and down without showing any decisive change.

Zinc—Slow improvement was reported in demand last week although the movement involved no unusual tonnage. President Eisenhower has made no decision to date regarding the Tariff Commission's recommendations regarding lead and zinc import rates. Prices followed a steady course, prime western closing at 11c. per pound in East St. Louis and 11½c. delivered New York.

CCC Borrowing Power Measure Passed by Senate

The senate last week voted to boost the borrowing power of the Commodity Credit Corporation by another $1,500,000,000. The measure, which now goes to the White House, is the second increase in CCC's borrowing authority this year and raises the limit to $10,000,000,000.

Congressional action on the farm bill, meanwhile, was also completed during the hectic legislative week following an agreement by senate-house conferees. The house approved a report by a standing vote of 208 to 47, while the senate passed it by a roll-call of 44 to 28.

The bill, which had strong administration backing, provides flexible price supports ranging from 82.5 percent to 90 percent of parity, beginning next year, for cotton, wheat, corn, peanuts and rice. These basic crops are now supported at a rigid 90 percent. Dairy props are held at the 75 percent level fixed by Secretary of Agriculture Ezra Taft Benson.

In the final compromise, senate-house conferees knocked out a provision which would have put dairy supports back at 80 percent and another which would have allowed farmers to decide on acceptance of a two-price plan for wheat.

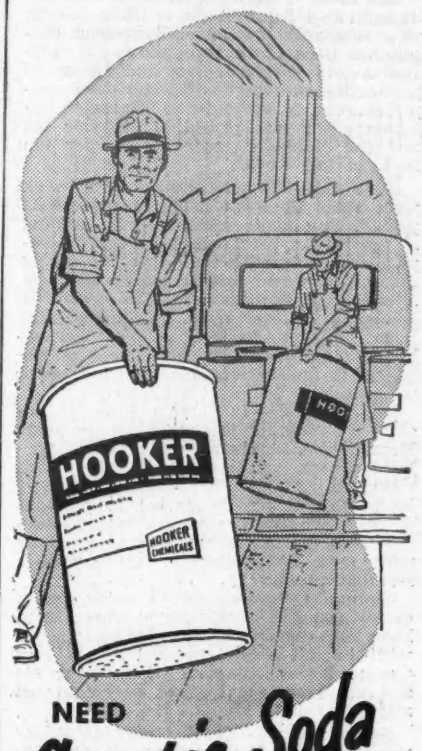
Victor Chemical Appoints Midwestern Sales Manager

Victor Chemical Works, Chicago, has appointed Richard C. Altherton midwestern sales manager. In his new assignment, Mr. Altherton will direct the activities of Victor's sales representatives in Minnesota, Illinois, Wisconsin, Indiana, Michigan, Ohio, and parts of New York, Pennsylvania, and Iowa.

In addition to his new duties, Mr. Altherton will handle special sales assignments for the company. He will also develop special applications of the company's products in other industries including metal treating, glass, textiles, plastics, and detergents. Mr. Altherton had been associated with Victor since 1932.

Polak's Frutal Works Celebrates Anniversary

Polak's Frutal Works, Inc., Middletown, N. Y., celebrated its fortieth anniversary August 21. Ceremonies were held in Amersfoort, Holland, where the company was founded by Jac. Polak and his brother the late Henri Polak. Jac. Polak, chairman of the board, attended the celebration and was presented with a commemorative plaque by the personnel of the company. Frits J. Polak, who recently succeeded his father as president of the American company, was also present.



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Ammonia Project Included In 6-Year Portuguese Plan

Construction of a new fertilizer plant at an estimated cost of some 350,000,000 escudos (about $12,250,000) is one of the highlights of a new six-year government plan to expand the Portuguese fertilizer industry.

The plant is to have an annual capacity of 35,000 tons of ammonia, part of which is to be used to make 50,000 tons of ammonium nitrate. The remainder is to be used to increase the sulfate of ammonia capacity of the Companhia Uniao de Azote plant from its present 35,000 tons to 70,000 tons.

The new plant will produce nitric acid for defense purposes. It also will produce hydrogen by a chemical process, using waste gases from the SACOR oil refinery and presumably will be located convenient to that refinery

Other features of the plan call for increasing the ammonium sulfate capacity of Amoniaco Portugues from 25,000 tons to 70,000 tons, using a process involving hydrogen produced from gasification of anthracite. The cyanamide production of Fornos Electricos is to be increased from 7,200 tons to 9,000 tons.

With the completion of this program, fertilizer production is expected to be sufficient for domestic requirements, with the exception of 35,000 tons a year of sodium nitrate, which will be imported mainly from Chile.

Pennsalt Adds Schley

Cooper M. Schley has joined the sales organization of Pennsylvania Salt Manufacturing Company, Philadelphia. With headquarters in Birmingham, Ala., Mr. Schley will represent the metal processing and maintenance chemicals departments in the company's southern territory. He will handle Pennsalt's "Fosbond-Foscoat" products for metal-working industries and a diversified line of metal cleaners and maintenance chemicals serving the transportation and manufacturing fields.

Leather Chemical Booklet Available

Publication of a booklet on "Tanak Mrx," the first of a series on chemicals for leather, has been announced by American Cyanamid Company's leather chemicals department. The booklet describes the product, its technical properties and special formulation. "Tanak Mrx" is a water-soluble melamine resin, the first developed to produce its effect by polymerization after application to the leather. It is used during tanning and processing. The booklet is available on request from the leather chemicals department of Cyanamid, 30 Rockefeller plaza, New York 20.

AIChE South Texas Unit Plans Meeting October 22

The annual meeting of the south Texas section of the American Institute of Chemical Engineers will be held on October 22 at the Galvez hotel, Galveston, Tex. Divided into four parts, the day meeting will have a general session, a symposium on engine deposits, a symposium on trends in the Gulf coast chemical industry, and a student session.

Papers to be presented will describe methods of statistical control, economics of ammonia manufacture, selection of plant sites, problems related to engine deposits, and the general petrochemical outlook for the Gulf Coast. By popular request the special student session contains papers outlining current labor laws, economics, and insurance programs of interest to the young engineer.

Girdler Will Offer duPont Nitric Acid Plant Process

Girdler Company, Louisville, Ky., a division of the National Cylinder Gas Company, has announced that it will build nitric acid plants employing the process of E. I. duPont de Nemours & Co. Plants will be offered to the chemical, fertilizer and explosives industries. Girdler first built a nitric acid plant of the duPont type in 1949. Since then improvements have been made in the process, and these will be incorporated in future plants sold by Girdler.

Carbide Adds Salesmen

Robert D. Stewart and Sebern G. Sellers have joined the fine chemicals sales group of Carbide & Carbon Chemicals Company, New York, a division of Union Carbide & Carbon Corporation, according to an announcement by R. L. Bateman, manager of the group.

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Monsanto Kearny Plant Gets Depp as Manager

John M. Depp has been named plant manager for the new Monsanto Chemical Company plant at Kearny, N. J., it has been announced by H. F. Weaver, production manager of the company's inorganic chemicals division.

Mr. Depp, who had been in charge of construction of the second electric furnace at Monsanto's elemental phosphorus plant near Soda Springs, Idaho, will assume his new duties immediately. The Kearny plant, on which construction work will begin in the near future, is initially to include facilities for the production of phosphoric acid and sodium tripolyphosphate, products of the inorganic chemicals division.

After service with Carnegie Steel Company and the Army Corps of Engineers, Mr. Depp joined Monsanto in 1946 as maintenance engineer at the Monsanto, Tenn., plant. He served a year as maintenance superintendent at the Anniston, Ala., plant, returning to the Tennessee plant in 1950 to superintend the construction of the sixth electric phosphorus furnace at that location. He moved to Soda Springs in 1952 as maintenance superintendent.

Hooker Promotes Three

Hooker Electrochemical Company, Niagara Falls, N. Y., has appointed James E. Dillman a group leader in the process study group. William J. Baker has been named a chemical engineer in the electrolytic department, and Robert E. Baker has been made a chemical engineer in the engineering department. Mr. Dillman was formerly in the company's electrolytic department. W. J. Baker was formerly a development engineer with Charles Pfizer & Co., Brooklyn, N. Y. R. E. Baker was formerly in Hooker's process study group.

Hydrocarbon Chemistry Symposium Is Planned for January 27-28, 1955

A symposium of hydorcarbon chemistry has been announced by the southeastern Texas section of the American Chemical Society, to be held in Houston, Tex., January 27 through 28, 1955. The program will consists of papers by invited speakers representing authorities from the United States and Canada. A dinner meeting will be held on January 27 at the Rice hotel, headquarters of the symposium. The detailed program will be published in the late fall.

Farm Chemical Curbs Set Up by El Salvador

El Salvador has set up new regulations governing the importation, manufacture and sale of agricultural chemicals. Following are the items affected:—

Fertilizers, chemical and organic, products intended for improvement of soil fertility; insecticides, pesticides, fungicides and repellants for use for fauna and flora; patent medicines, sera, vaccines and other biological products for veterinary use, and herbicides and chemical and biological products intended for use on vegetation.

Before these products may be imported, manufactured or sold, they must be covered by a certificate of approval issued by the Ministry of Agriculture and Livestock.

U.S. Testing Co. Names Putnam to Research Staff

United States Testing Company, Hoboken, N. J., has added Dr. Robert J. Putnam to its product research staff. Dr. Putnam, formerly project engineer with United Shoe Machinery Corporation, Beverly, Mass., will be concerned with research in leather and tannin, and related activities in the fur, textile, and coatings industries.

Union Bay State Expands

Union Bay State Chemical Company, Cambridge, Mass., has opened a development laboratory, sales office, and warehouse at 15 Gordon street, Greenville, S. C. The laboratory will be managed by Roy Boggs, while sales will continue to be handled by William Miller and Byrd Miller, jr., of Byrd Miller & Sons Company, it was announced.

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ACS Meeting to Weigh South's Chemical Potential

The south Atlantic states will be examined as an area for greater chemical expansion at the 126th national meeting of the American Chemical Society, to be held at the Statler hotel, New York, September 12 through 17.

Resources for the chemical industry in these states will be the subject of an all-day symposium on September 13, sponsored by the society's division of chemical marketing and economics. Dr. William P. Boyer, director of research of the Virginia-Carolina Chemical Corporation, Richmond, Va., will preside.

Edwin Cox, vice-president of Virginia-Carolina Chemical Corporation, will report on the present status of the chemical industry in the south Atlantic states and Edward A. Wayne, first vice-president of the Federal Reserve Bank of Richmond, will survey financial resources.

Research and educational resources of the area will be outlined by Prof. Allen T. Gwathmey of the School of Chemistry at the University of Virginia. Industrial opportunities will be described by Dr. S. M. Derrick, dean of the School of Business Administration at the University of South Carolina, to conclude the morning session.

G. W. Josephson, chief of the construction and chemical materials branch of the Bureau of Mines, will open the afternoon session with a paper on natural resources and raw materials in the south Atlantic states. Robert W. Philip, vice-president of Callaway Mills Company, La Grange, Ga., will discuss textiles and the chemical industry, and Dr. L. F. McBurney, manager of the cellulose research division of Hercules Powder Company, Wilmington, Del., will speak on forestry and the chemical industry.

Borden Company Chemical Division Adds Storms, Mallon to Sales Staff

Addition of Bernard B. Storms and Francis P. Mallon to its sales staff in the eastern and mid-western territories, respectively, has been announced by Borden Company's chemical division. Both Mr. Storms and Mr. Mallon will specialize in the sale of Borden's small package glues to the wholesale trade. Mr. Storms will cover an eastern area composed of New Jersey, Delaware, Maryland and part of Pennsylvania. Mr. Mallon will cover Illinois, lower Wisconsin, and parts of Iowa, Missouri and Indiana.

Defoaming Agent Available In Quantity From Monsanto

An acid-stable defoaming agent said to be particularly effective in organic systems is available in drum and tankcar quantities from Monsanto Chemical Company's organic chemicals division, St. Louis. Mo.

A straw colored liquid designated "Defoamer PC-1244," the new product is reportedly effective in concentrations varying from five to 5,000 ppm. of active ingredient, with an average use dosage of 250 ppm. It is supplied as a 40 percent solution in kerosene. The formulation is soluble in most common organic solvents and shows excellent lasting qualities, according to laboratory and field tests.

Dow Starts Laboratories For Biochemical Research

Construction of new laboratories to house its biochemical research department has been started at Midland, Mich., by Dow Chemical Company. The structure will provide 40,000 square feet of laboratory space for the department's five sections, which include toxicology, industrial hygiene, basic biochemical, microbiology and wood laboratories. Completion is expected within a year. The microbiology research laboratory plans to expand its search for new chemicals to solve preservation problems in addition to servicing the established "Dowicides."

Blaw-Knox Constructing Plant for Crown Central

Blaw-Knox Company has announced that construction work has started on the 5,500 barrel-per-day Houdry catalytic reforming unit being built for Crown Central Petroleum Corporation at its Pasadena, Tex., refinery. Upon its completion in October, this will be the first "Houdriformer" in operation in the Southwest.

Blaw-Knox is executing engineering, procurement, and construction of this unit through its chemical plants division western headquarters at Tulsa, Okla. The contract price for the work is in excess of $1,000,000.

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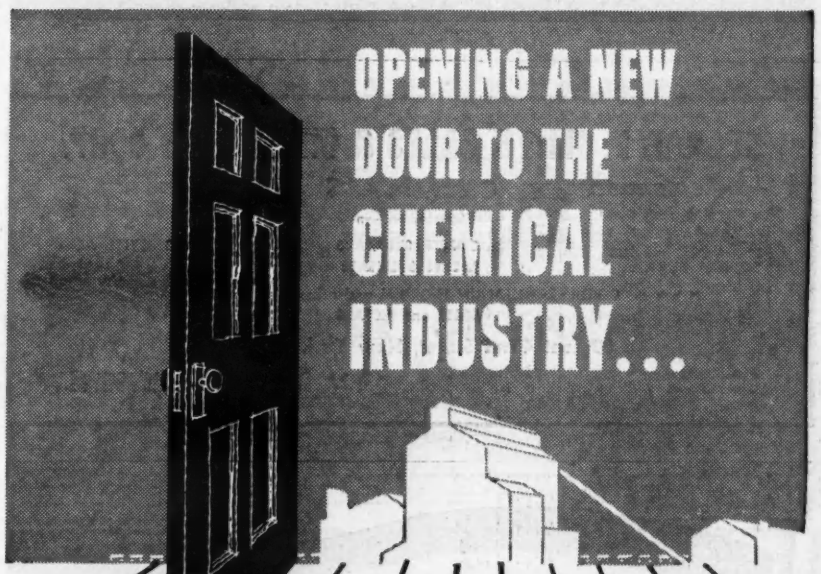

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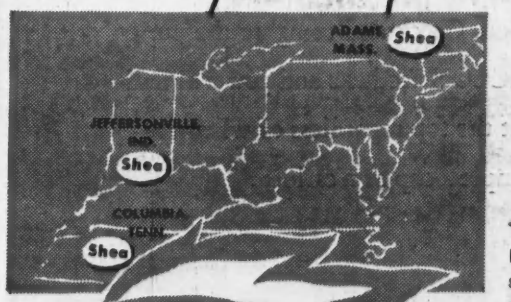

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API Evaporation Loss Group to Meet in N.Y.

The American Petroleum Institute's committee on evaporation loss will meet October 15 in New York, chairman J. H. McClintock, of Esso Standard Oil Company, has announced. The committee is attempting to find ways and means of evaluating and reducing losses from evaporation of crude oil and petroleum products.

Prior to the meeting of the full committee, the four principal subcommittees will convene in separate sessions. These subcommittees and their chairman are as follows:—Methods of testing, H. M. Hart, Standard Oil Company (Indiana), Whiting, Ind.; correlations, A. B Stevens, General Petroleum Company, Torrance, Calif.; Field Test Program Developments, H. C. Packard, Shell Oil Company, New York, and Program and Publications, E. L. Hoffman, Socony-Vacuum Oil Company, New York.

The subcommittees are expected to hold their sessions during the two days prior to the main committee meeting. Mr. McClintock has extended an invitation to all interested parties to attend the main committee meeting, which will get underway at 9:30 a.m., in the Esso Standard Oil Building, 15 West 51st street, room 370.

Petroleum Export Duties Off

Mexico has declared the following petroleum products free of export duties:—Crude petroleum; diesel oil and fuel oil; crude and refined gasoline; crude and refined kerosene; natural gas; gaseous combustibles, not specified; asphaltic emulsions, bituminous schists and natural asphalts, not specified; asphaltic emulsions and solutions containing up to 40 percent petroleum distillates, and paraffin. Formerly these products were subject to a 25 percent ad valorem surcharge and to moderate specific export duties.

Gen'l Tire & Rubber Appoints Southern Latex Sales Representative

General Tire & Rubber Company, Akron, Ohio, has announced the appointment of Southern Latex Corporation, Austell, Ga., as southern sales agent for "Gen-Tac" latex, General's special cord dip latex. Southern Latex Corporation will represent the company for sales of this product in Georgia, Florida, Alabama, Mississippi, Tennessee, and North and South Carolina. Southern Latex Corporation is a distributor of various latices and manufacturer of fully compounded latex preparations.

Atlas Picks Heinel to Head New Richmond, Va., Office

Atlas Powder Company, Wilmington, Del., has named Arthur G. Heinel technical representative in charge of its new sub-office in Richmond, Va., and has appointed Adrian J. Stewart to succeed Mr. Heinel as head of the Atlanta office.

Mr. Heinel will represent Atlas in Virginia, Washington, D. C., the eastern half of West Virginia and North Carolina. He joined the company in 1947 and was placed in charge of the Atlanta office in 1951. Mr. Stewart joined Atlas' central research laboratory in Atlas Point, Del., in 1953. The following year he transfered to the chemicals department as a technical representative.

Chicago Fertilizer Names Sales Agent

Chicago Fertilizer Company, Chicago, has appointed Alexander M. McIver & Son, Charleston, S. C., executive sales agent for "Vitorganic-Chicago Activated Sludge," which is produced by the Sanitary District of Chicago. The current appointment is effective until June 30, 1955.

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Agricultural Chemicals

Price trend was slightly upward last week, the index recording 110.21, compared with 110.19 in the preceding period. Dried blood at New York closed higher than Chicago which indicated there was more stockfeed demand in the east than in the midwest. Heavy recent sales of nitrogenous process tankage appear to have about cleaned out available stocks for nearby shipment and the price has advanced with one producer withdrawing from the market. The chief competition for this material, castor pomace, is also sold out temporarily and the market last week was bare of stocks. No price changes were recorded in either bone meal or animal tankage. Production of menhaden meal was good and is nearing its peak for the season.

Shipments of normal superphosphate are showing a seasonally normal average according to producers. Export purchases appear to have partially lifted the over-supply strain at Baltimore. The big purchase order for Korea has found Japan a keen competitor not only in superphosphate but in ammonium sulfate. The purchase of 20,000 tons of ammonium calcium nitrate went to Austria. Contract deliveries of potassium muriate were sustained around former levels. Anhydrous ammonia was readily available. Domestic producers of urea are finding rather sharp competition from foreign sellers.

Price Trends

Advanced

Dried blood, New York 25c. per unit of ammonia.
Nitrogenous process tankage, 15c. per unit of ammonia.

Reduced

None

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
110.21	110.19	110.60	111.96

(*For Current Prices see page 9*)

Fertilizer Materials

Ammonia Anhydrous—Supply situation comfortable at present owing to seasonal relaxation in consumer demand. Prices remained unchanged.

Ammonium Sulfate — Some producers are not complaining over the current movement of coke-oven sulfate and state that shipments are averaging above those of a year ago. Japan got the sale of 20,000 metric tons of synthetic for Korea under FOA supervision. It was stated that sales not sponsored by government agencies may total 50,000 tons for export this season, with 20,000 tons slated for Formosa and 10,000 to India to date. The Department of Commerce states that importation of "reasonable quantities" of ammonium sulfate fertilizer during the current half-year has been decided upon by the Government of India. The exact quantity to be imported is not indicated, but the Indian Government is believed to be thinking in terms of about 100,000 long tons. The decision is attributed to a pronounced upward trend in the consumption of ammonium sulfate fertilizer. Annual consumption of fertilizers in India is estimated between 420,000 tons and 450,000 tons and Indian production in the neighborhood of 340,000 tons. With the growing popularity of improved methods of cultivation the consumption of fertilizers is expected to increase further.

India has not imported sulfate of ammonia in large quantities since 1950, when the United States was the principal supplier, shipping 127,570 tons, valued at $6,714,177. In 1951 India's Sindri Fertilizer Factory went into production. Indian imports of ammonium sulfate fell to 19,948 tons in the year ended March 31, 1953, then rose to 69,525 tons in the year ended March 31, 1954.

Bone Meal—Demand described as good and of sufficient dimensions to hold the market firm at $60 per ton works for domestic steamed.

Castor Pomace—None offered in the local market last week. Previous sales were at $27 per ton works. (By error we had the price 27c. per pound in our last issue.)

Dried Blood—There was enough local demand to lift the price to $8 per unit of ammonia. Chicago was unchanged at $7.75.

Fish Meal — Production of menhaden meal is around its peak for the season. The market did not appear too firm at $130 per ton, Baltimore area.

Nitrogenous Process Tankage — Supply tight, with production heavily sold ahead in most instances. Future shipment is priced at $3.65 per unit of ammonia.

Phosphate Rock—Supply conditions continued to improve. While domestic demand has shown seasonal relaxation, steady shipments are reported for export against contracts.

Potassium Muriate—Contract deliveries appear to average better than the two previous months and producers report a seasonally normal demand.

Sodium Nitrate—Market situation relatively quiet, which is not unusual at this time of year. Stocks continued adequate, with prises steady.

Superphosphate—Normal finding a seasonal domestic outlet which means not very active at present. It was stated that of the 100,000 tons to be shipped to Korea, 50,000 tons were placed with domestic producers. This has lifted the inventory strain a bit. The other 50,000 went to Japan. Supplies of triple were slightly improved with demand sufficient to prevent any heavy backing-up of stocks at present. Competitive selling pressure at Charleston and Savannah kept the market for normal flexible but elsewhere prices for both grades continued steady.

Tankage—Prices held about steady last week under a moderate demand for stockfeed use. Local sellers named $7.75 per unit of ammonia and Chicago quoted $8.25.

Los Angeles Market

Los Angeles.—Although only light trading was reported during the week for inorganic material, increased interest was noted for seasonal items. The first trading in superphosphates was reported with volume expected to increase throughout August and well into September. The organic market was virtually unchanged. A few sales were effected on small lots as larger purchasers held off for a weaker market.

Ruling prices were:—Ammonium nitrate—$[illegible].74 per ton, domestic, f.o.b. Los Angeles. $89.84 per ton, Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$80.14 per ton in bags, 16-20 grade, f.o.b. Los Angeles. $107.64 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Ammonium sulfate—$55.93 per ton in bags, domestic, f.o.b. Los Angeles. $3 less in bulk. Canadian material same.

Blood meal—$6.25-$6.50 per unit of ammonia at source. Bone meal—$82 per ton, steamed, domestic, f.o.b. Los Angeles.

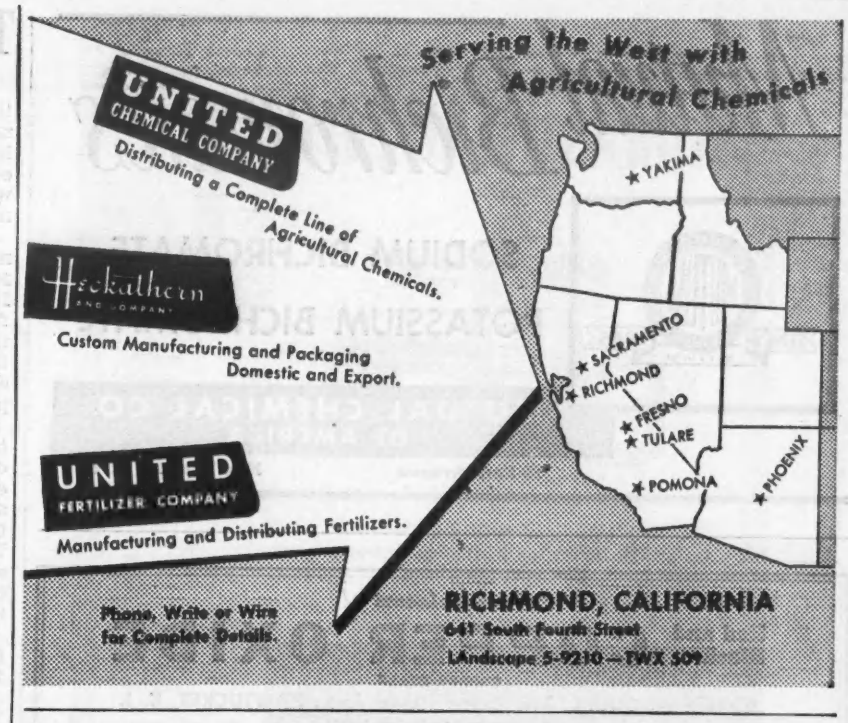
Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Pesticides

Bids for 676,000 pounds of DDT 75 percent wettable powder ranged from 25.85c. to 26.35c. per pound f.a.s. New York. This material is for export today. It appears that the large export movement that has featured the market this year has greatly reduced producer inventories and permitted sellers to hold the domestic price in the face of a disappointing demand. Most sellers are convinced that the season is practically over without revealing any unusual infestation in the cotton South. BHC has remained definitely quiet with reports current that prices have been shaded. Cotton dust 3-5-40 has been subjected to severe competitive pressure. On the other hand, parathion sales have averaged good and compare favorably with those of 1953. There have also been steady sales of malathion and methoxychlor.

Latest report from the Department of Agriculture has the following to say about the pink bollworm in Texas:—bloom inspections completed in several west central and south plains counties. Comparisons for 1954 and 1953, on larvae per 100,000 blooms basis were as follows:—Tom Green 136 and 55, Sterling 46 and 1,418, Glasscock 46 and 325, Howard 50 and 461 and Irion 60 and 14. Gin trash inspections completed in Lower Rio Grande Valley counties and comparisons for 1954 and 1953 on a larva per bushel basis were as follows:—Cameron 874 and 978, Hidalgo 906 and 938, Starr 1,094 and 94, and Willacy 217 and 92. Degree of infestation is still low compared with average of recent years in these latter counties and as of July 31 there has been no report of commercial damage. In areas adjoining lower Rio Grande Valley, a lower count of pink bollworms per bushel was found than on the United States side of the Rio Grande although it shows a marked increase over 1953 for same area. Pink bollworms found at rate of 382 per bushel in 1954 compared with 148 in 1953 at Matamoros. At Reynosa the rate was 334 per bushel of trash inspected in 1954 compared with 127 in 1953.

For Late Market Developments, See Page 4



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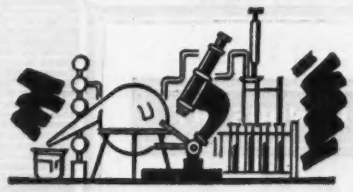

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Textile and Leather Chemicals

Outside of spotty demand for textile and leather chemicals for fill-in needs, the market was dull and featureless last week. Buying interest for early fall delivery was still slow. Prices were without change and steady for most items.

Light stocks of potato starch were maintained at prevailing quotations for prompt shipment from Maine and Idaho, despite slow demand. Tapioca flour was well held at former levels on the spot, with replacements also quotably unchanged and steady. Consumers of corn starch and dextrin limited purchases to immediate delivery.

Leather production in June was practically at the same level as the previous month. Cattle hide production was estimated at 2,027,000 hides in June, against 2,016,000 in May, by Tanners Council; calf and whole kip skins, 748,000 compared with 706,000; goat and kid skins, 2,477,000 against 2,124,000 and sheep and lamb skins, 2,141,000 against 2,172,000.

Woolen and worsted broad woven fabrics production in the second quarter jumped 18 percent above the output of the first quarter, but was still 32 percent below the second quarter of last year according to the Census Bureau. All other classifications showed declines in the second quarter from the previous three months and from the second quarter of 1953.

Exports of hides in June were sharply lower than May, totaling 396,790 pieces compared with 543,000 pieces in May. However, shipments of hides from the United States reached the same volume in the first six months in 1954 as took place in the whole of 1953. Total shipments in 1953 amounted to 2,424,000 pieces, against 2,424,380 pieces during the first six months of 1954. Sales for export in June and July were not liberal, but improvement was expected in August and September, when European stocks have been worked off. The bulk of May exports was received abroad just before vacation period started in consuming plants there. Another factor in the recent slow export sales has been the inclination of foreign buyers to await developments in Argentine hides. Imports of hides in June were dry cattle hides, 16,712 pieces; wet cattle hides, 15,962; wet kips, 21,681; dry calfskins, 8,191, and wet calfskins, 123,306 pieces.

Price Trends

Advanced

None

Reduced

None

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
95.58	95.58	95.59	98.52

(*For Current Prices see page 9*)

Chemicals

Bichromates — Market seasonally inactive. Prices remained steady and unchanged for all grades.

Sodium Acetate — Trading continued quiet. Quotations were maintained at current levels.

Sodium Hydrosulfite—Small lots were moved for immediate requirements. Prices were without change and well held.

Sulfonated Oils—Quietness prevailed in this market. Prices were generally steady for all varieties.

Sizing Materials

Albumin Blood — Consumers purchased in a hand to mouth manner. Interest for later requirements was inactive. Stocks were ample for prompt shipment. Prices were unchanged at 65c. to 80c. per pound, according to quantity.

Corn Dextrin—While demand was confined to actual needs, the market remained steady. All grades were maintained at prevailing levels. Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.65, dark, $8.70, and white, $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Small lots were in fair request for immediate delivery. Price were maintained at former levels. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, and powder, $7.25 per 100 pounds, New York basis. Smaller quantities were 15c. per 100 pounds higher. Visible corn supply was lower, declining 644,000 bushels to 11,496,000 bushels for the week ended August 13, compared with 8,609,000 bushels for the same time last year, according to the Chicago Board of Trade.

Egg Albumin—Trading continued restricted to actual needs. Quotations were without change and fairly steady for all grades. Flake was quoted at $1.42 to $1.44 per pound, and powder at $1.46 to $1.48 per pound, on spot, as to quantity. Stocks were ample.

Egg Yolk—Buying interest was slow, and confined to small lots for immediate needs. Prices were unchanged at $1.15 to $1.17 per pound, depending upon quantity.

Potato Starch—This market reflected the summer doldrums. Buying interest was quiet, but the market was quotably unchanged and steady. Light stocks in Maine were maintained at 6¾c. per pound, carlots, f.o.b. mills for prompt shipment. Idaho market also remained steady at 6.3c. per pound, carlots, mills, and ½c. lower for shipment to eastern points. Supplies on spot were well held at 8¾c. to 9c. per pound, exwarehouse, according to quantity.

Maine potato producers voting in the referendum held from July 29 through August 4, favored issuance by the Secretary of Agriculture of a market order regulating the handling of potatoes grown in the State of Maine. Of the producers voting, 76 percent by number and 77 percent of production favored issuance of the order. Growers representing about 54 percent of the production voted in the referendum. Under the Agricultural Marketing Agreement Act of 1937, as amended, a federal marketing order must be favored by at least two-thirds of the producers or two-thirds of the production voting in a referendum. A marketing agreement may also be issued if potato handlers representing at least 50 percent of the crop sign the agreement.

Sago Flour—Market was dull and featureless. Raw flour was unchanged at 6¾c. to 7c. per pound and refined, 8½c. to 9c. per pound, exwarehouse, as to quantity. Replacements were quoted nominally at 5¾c. per pound, carlots, exdock.

Tapioca Flour—Hand to mouth to buying prevailed last week. Prices, however, were maintained for all grades. New crop Brazilian was quote at 9½c. to 9¾c. per pound, carlots, exdock, prompt shipment, with spot stocks ranging from 10½c. to 11c. per pound, exwarehouse, as to quantity. High grade Siamese flour was held at 7¼c. to 7½c. per pound, exwarehouse, as to quantity; AAA Javanese flour 6¾c. to 7c. per pound and AA, 6½c. to 6¾c. per pound, same basis.

Tanning Materials

Chestnut Extract — Trading was still reported slow, though interest in next month's delivery was more active. Quotations were unchanged. Liquid 25 percent tannin was quoted at 4c. per pound, tankcars, f.o.b. works; 4¾c. per pound, barrels, carlots, and 5.10c. barrels, less carlots; powdered 60 percent tannin, 10.32c. per pound, bags, carlots, and 11.02c., bags, less carlots, same basis.

Mangrove Bark—Buying interest continued to lag. Primary markets were unchanged, but quotations were more or less nominal. African bark was quoted at $69 to $70 per ton exdock; Ecuadorian, $55 per ton and Columbian, $58 per ton, same basis.

Quebracho Extract — Business was reported quiet. Market remained steady at current quotations. Solid ordinary guaranteed 63 percent tannin was offered at 11 31/64c. per pound, exdock, plus duty and clarified, guaranteed 64 percent tannin at 12 3/16c. per pound, same basis.

Valonia—There was no improvement to the inactive demand for replacements. Offers were liberal. Prices were more or less nominal. Cups were offered at $48 per ton, exdock, and beards at $64, same basis. Extract were quoted at 8½c. per pound, exdock, plus duty.

Wattle—While buying interest lagged, primary markets remained steady. Shipments were quotably unchanged and well held. East African extract 60 percent tannin was available at 9¾c. per pound, exdock, plus duty. South African extract was nominal at 10c., same basis. Fair average bark was held at $98 per ton, exdock, and merchantable at $94 per ton, same basis.

For Late Market Developments, See Page 4

Industrial Organic Chemicals

There was very little price activity in this market. A source announced an increase for hexylene glycol early in the week, following the advances for other glycols in recent weeks. Other suppliers had not gone along by presstime. Thus, a range was carried between producer quotations. Other organics were relatively quiet, pricewise.

Producers, surveying general business trends, said future activity looks pretty good. Many consumers have indicated to producers what their buying patterns will be in the coming weeks and optimism for September became evident. Overall solvent demand was still considered fairly good. Most volume solvents continued to move at a good pace and were expected to increase in sales next month. Acetone still moved at approximately the same volume. Sales were strong enough to deter much price shading. Prices were strong enough to show a generally stronger tone. The alcohol market was generally pictured as firm. The price structure evidently has not yet become so firm as to induce buying of competative products in substantially greater volume, trade sources reported. On the other hand, other producers enjoying a good demand, were looking ahead to even firmer prices.

Besides alcohol and acetone, good solvent call was reported for butyl acetate, ethyl acetate and ketones as MEK. Vacations in consuming industries have retarded demand for solvents in the past two months, but some improvement was now being noted. There has not been a great change in demand for the polyols and amines which have been advanced in spot prices and scheduled to advance in contract prices October 1. Demand for diethylene glycol was steady. Ethylene oxide and some of its glycol derivatives saw only slight increases due to extra orders before contract prices go up. The same was true for propylene glycol and related polyols, and the isomers of ethanolamine.

Formaldehyde was a bit slow, due to both the plywood labor dispute on the west coast and slower resin calls. PE moved satisfactorily. Isobutyl alcohol moved at a steady pace to brake fluids. Iso-octyl alcohol was in a competative position, but was doing "all right." Refined glycerine activity was considered pretty good. The volume was well sustained and expected to improve.

Acetone—Some trade sources indicated that the market did not look as if it was going to be subjected to quite as fierce competition from byproduct material from the cumene process as was originally thought. Acetone prices from cumene have not been as low as anticipated, it was said. And, stocks did not look as if they would be ample from that direction to take care of the major portion of industrial demand. Further, the phenol market has not been strong enough to allow the acetone to move as a byproduct without regard to its production cost, a source stated. A little price shading was still in process, but it has not affected the general tone of the market.

As regards volume, producers said they continued to sell a good amount. Many producers have not yielded to price shading because their volume has kept up so well. Several sources also revealed optimism about future sales, expecting a sizable pickup in September.

Alcohol—In spite of the fact that most sources continue to report a relatively firm price position in this market, occasional reports of shading drifted in. It was felt that the explanation was that rather long term contracts had been written before the price firmed up and a good volume of material was moving at those prices. Several sources admitted that it would be difficult for a consumer to write a new contract currently at prices under the market. However, there were consumers still looking for low-priced material. Further several major sources have stated that they consistently moved their production at market quotations and saw no need for considering sales under postings. On the other hand, certain competing products are not doing as well as they could because the alcohol market is not tight enough, it was said.

The volume of movement has held up quite well. Sales for solvent end-uses have been relatively steady, although there was a slight deceleration during vacation periods. A fair interest has been shown from chemical outlets for alcohol. Ample supplies were available to handle consumption needs. Some sources said they were producing at about the same rate as the material was moving out. A greater pickup in buying was anticipated later in September and October.

Butadiene—The volume of current sales was down due to strikes in the rubber industry. However, producers indicated a good forecast of demand for the fall. Production was adequate to take care of present consumption needs. Prices were unchanged and firm at previously established levels.

Butyl Acetate—A slight increase in activity was noted for this ester. Many vacations in the lacquer field were over and a bit more interest was being shown from that direction. Movement was fairly good for normal fermentation material and for secondary synthetic acetate. Supplies were adequate. Producers were selling just about what they produced. Prices were firm at unaltered level.

Diethylene Glycol—No real changes in the volume of movement have been noted for this polyol. The price increased on spot material recently and the scheduled advance for contract prices have not precipitated any rush buying.

General demand was about the same. Most material moved in the direction of synthetic resins, since use as a tobacco humectant virtually dried up. A very small volume of diethylene glycol also found its way into the antifreeze business, it was said. Ample supplies were readily available to meet orders.

Dipentaerythritol—Producers indicated that the market has been running along satisfactorily. Suppliers said that they sold as much as they were producing currently. Firm prices were maintained. Supplies were sufficient to handle anticipated consumer requirements.

Ethanolamines — Producers indicated that some consumers were picking up a little extra material before contract prices go up October 1. But, there is no run on, it was added. Orders for mono-, di- and tri- ethanolamines have been steady at approximately the same level. Spot prices were firm at the recently established quotations. Ample supplies were readily available to take care of consumption requirements.

Ethyl Acetate—The general tone of activity in the market was relatively steady. Producers moved a good amount of acetate to solvent consumers. Some sources have noted a little buildup in recent weeks. Many of the vacations in the lacquer houses were finishing up and the trade was getting back to work. A number of the lacquer people have already indicated an optimistic attitude towards September buying, it was reported. Most sources for ethyl acetate were looking ahead to fairly good business in September-October. Prices were firm at previously established listings and no revisions were anticipated at present. Supplies were adequate to take care of consumer's needs. Production was running along at approximately the same rate as buying interest.

Ethylene Oxide — Producers indicated that there have been no particularly significant increases in demand during the past week or so. It was added that there was always a little increased buying on the part of consumers before a price increase. But, the scheduled increase for contract prices has not induced much activity. Spot prices were advanced a few

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

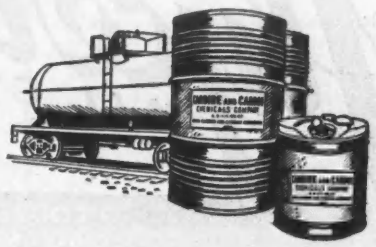
Last week	Prev. week	Last month
132.05	131.89	131.89

(For Current Prices see page 9)

This market reports on industrial aliphatic organic chemicals. Reports on industrial aromatic organics may be found in the Coal Chemicals market, while reports on fine and rare organic chemicals appear in the Drugs, Fine Chemicals, Botanicals market.

For Late Market Developments, See Page 4

TRIETHANOLAMINE



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weeks ago. Supplies were adequate to take care of consumption needs.

Formaldehyde—Producers weren't selling as much material as was being made currently. How large a stockpile a producer currently was carrying was based upon how dependent it was on the plywood industry, it was said. Other sources that moved most of the output to synthetic resins have not seen too much drop in demand, but still found the market a little slow. Seasonal influences were more at fault here. Prices were firm at previous levels.

Glycerine—Refined grades continued to move at a well sustained rate. The volume being sold for synthetic resins in the past two months has been reduced in keeping with vacation shutdowns in the resin field. However, the closings were staggered and the overall volume did not suffer too much. Producers considered the market in fairly good shape right now. Demand from pharmaceuticals, explosives and resins, combined, presented a rather steady demand picture. A further pickup in demand was anticipated next month. Refined prices were firm and not inclined to change currently. Stocks were adequate for the demand, but not overabundant.

No changes were reported for crude glycerine. Large domestic refiners indicated that they had enough of their own crude to take care of needs. Refiners more dependent upon imported crudes have not been so fortunate. Imported material was still very short, due to world demand and low production. Crude prices were unchanged from previous listings. Synthetic glycerine output has contributed price stability to the market with its continuous output.

Isobutyl Alcohol—No significant changes have taken place in the market. Producers sold a relatively steady volume for moderate duty brake fluid end-use and a fair amount moved to esters. Movement of the acetate was consistently increasing and widening, it was said. The point has been reached now where a tank truck shipment is not unusual. When brake fluids are taken into account, the volume of movement is still with the alcohol. Producers indicated that they had a good deal of isobutyl alcohol to sell.

One facet of the current market for brake fluids in general, was the tendency of some fluid canners to buy lower boiling alcohols at low prices, consequently lowering the standard of the fluid, it was said. Side effects were being felt by producers of quality products and by suppliers of alcohols and glycols of higher price through reactions within the states to tighten up specifications, it was added.

Hexylene Glycol—Recent price activity in other glycol markets finally precipitated a move for hexylene last week. An advance of 1½c. on spot material by a major producer became effective right away and contract schedules were due to go up the same amount on October 1. Current quotations ranged from 12½c. to 14c. per pound in tankcars 14½c to 16c. per pound in carlots, and 15½c. to 17c. per pound in l.c.l. quantities.

Iso-octyl Alcohol—Producers indicated that the market was not doing too badly in face of new competition in the market in form of recently introduced production facilities. This octyl alcohol has normally

—*Continued on page 57*

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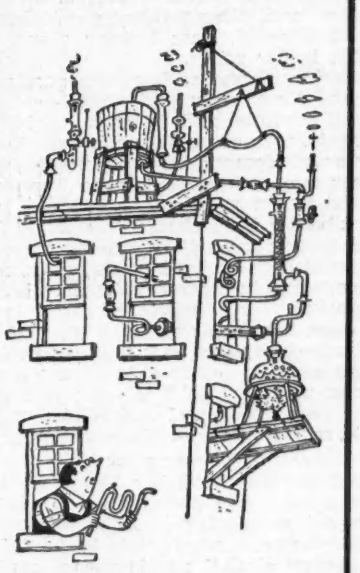

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Petroleum Derivatives

Kerosene prices were increased 2/10 cents per gallon in Pennsyivania in a move that reflected the considerably firmer position of this material. Gasoline prices on the gulf and east coasts firmed, while some speculation was heard in regard to further increases The position of both materials was considerably firmer than it had been just previously. The petroleum market index number was unaffected since the changes were not in materials on which the index is computed. Aromatic solvents during the week maintained a good supply position. Toluol was offered in ample amounts for current industrial and government needs, with production expected to remain sufficient for demand in the weeks immediately ahead, barring a substantial change in the consuming industries.

Demand for xylol was spirited, with material shipped at unchanged quotations. Consumption in the weeks just past has been somewhat above the expectations of some in the industry, it was reported. Partial aromatic solvents were supplied in amounts as needed, with an ample supply situation confronting anyone requiring material. Prices for these materials remained unchanged. Heptane and hexane continued to move into consuming channels steadily. The market for these materials was without price change.

Users in the market for propane and butane were generally able to fill their requirements very easily. Consumption was at its usual seasonal low-point, but was expected to snap back with the arrival of cooler weather. Spot prices were influenced by this condition, while contract quotations were steady. The wax market remained firm, in spite of a slight slowdown in demand brought about by vacation shutdowns in consuming industries. Here the situation was so firm on an overall basis that producers expected to continue to move material steadily.

Price Trends

Advanced

None

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
104.42	104.42	104.42	105.36

(*For Current Prices see page 9*)

Solvents and Diluents

Heptane—Producers appeared satisfied with the rate of demand over the past thirty days, although it was reported that production currently was not too closely pressed to keep up with demand. Export requirements were not greatly changed, according to sources in the industry. Prices remained on a par with their former levels, with material quoted at 19c. per gallon in tankcars at Bayonne, N. J.

Mineral Spirits—Prices remained firm and unchanged, with demand reported continuing without much overall change apparent. Supplies were found to be easily ample for consumers' requirements and, with production schedules continuing at their present level, no lack of material was considered likely. Estimates of a record number of housing starts during the coming year indicated a continuing expansion of the market for both the regular and the specially refined, or odorless, grades of the material.

Partial Aromatics—A slight drop in demand was reported from some manufacturers, and was attributed to the lowered needs of some automobile manufacturers, who are currently cutting production in preparation for new model cars. The decline in demand from this direction had been expected, and was reported not a long-range influence on the market, as production of new cars was expected to be quite heavy, once the switch-over was effected. Prices held steady throughout the week.

Rubber Solvent—A moderate cut in shipments was reportedly effected by reason of a slower demand in the weeks just past, but this decline was felt to be only seasonal. Following the resumption of fall producing schedules by the consuming industries now in the process of summer slowdowns, consumption along normal lines was expected. Prices were steady at former quotations.

Toluol—The market remained quiet over the past week, with no price changes appearing and the supply picture holding to the pattern of the previous week. Sufficient material was available on the market to fill industrial and government needs, even in the face of the lowered output from coaltar sources. Fourth-quarter demand from industrial consumers was expected to make a good showing and to equal or top that of the third quarter. Government requirements were less certain, but as yet remained on a comparatively low level.

Xylol—Demand continued to make considerable inroads on material from current production and exceeded some earlier, more cautious estimates of third quarter needs. Users found sufficient supplies to fill their needs, and at quotations unchanged from previous weeks.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended Aug. 7 totaled 279,828,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 279,744,000 barrels for the preceding week, this represents an increase of 84,000 barrels comprising an increase of 317,000 barrels in stocks of domestic crude and a decrease of 233,000 barrels in stocks of foreign crude.

Lighter Fractions

LPG's—Users in the market for propane and butane were generally able to fill their requirements very easily. Production followed its usual summer trend and remained well ahead of consumers' requirements in most areas. Spot prices remained weakened as a result, although contract prices were steady. A lessening of the market surplus was expected with the advent of cooler weather and the resumption of active purchasing.

Waxes

Microcrystalline — A good tone was maintained in this market throughout the week, with sales proceeding moderately well along seasonal lines. The lowered demand of industrial users produced no very large inventories in manufacturers' hands, as production has for some time remained pretty limited in relation to the market's requirements. Prices were steady, with no changes expected in the week ahead.

Paraffin—Refined material was in balance on last week's market, with prices holding steady. Users have taken somewhat smaller shipments because of seasonal changes in their production schedules, but the markers have noted no striking surplus of material as a result, it was reported.

Miscellaneous

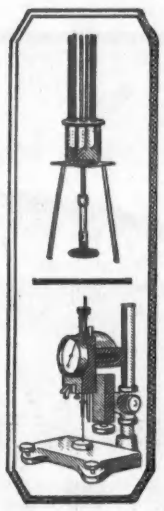
Crude Oil — September production of crude oil in Texas was raised to 2,792,276 barrels per day by the Texas Railroad Commission. This figure represents an increase of 67,235 barrels per day from the allowable rate set for August. The fifteen-day producing schedule in effect in August will be continued in September.

Gasoline — Major suppliers boosted wholesale gasoline prices last week along the east coast. The increases generally ranged from 7/10 cents to 9/10 cents per gallon, but with the amount of the advance ranging higher in certain areas where prices had been more depressed. The move indicated a reversal of the falling price trend over the past months, and reflected the lowered supply situation that has resulted from production cuts.

Petroleum Sulfonates—Producers noted a decline in demand during the month so far, but stated that the drop was almost certainly seasonal, and that it would cease next month. In spite of the slight decline in demand some makers found their present sales position ahead of that of August, 1953. The dry cleaning industry was reported to be easing off its consumption prior to the more active fall buildup in inventories. Prices were steady over the week, and were expected to remain so during the balance of the month.

For Late Market Developments, See Page 4

A HISTORICAL FIRST



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Coal Chemicals

Prices remained firm among coal chemicals during the past week. Quotations which have been noted to be firmer in recent weeks have shown no definite sign of an increase. Balances between production and buying interest held steady.

Demand activity was still generally on the slow side for many items. Some of the seasonal influences are wearing off and slight improvements in demand are beginning to be noted. However, the change in most markets was not dramatic and sales levels approximated those of last month. Tar acid business was still reasonably firm. Cresols and cresylic acid were moving to cresylic resins and tricresyl phosphate. Natural phenol was slightly better with some sources and still slow with others. USP grades were considered fairly slow all around. Naphthalene remained firm in price and a bit slow in movement during this month. Little imported material was moving right now, but prices of crude hot-pressed remained very strong.

Creosote sales were very slow due to railroad inactivity. Refined pyridine has been showing some encouraging increases in demand. The light oils were relatively unchanged. Benzol was approximately balanced. Reduced coking operations also brought toluol output down to levels near demand. Xylol continued in relatively tight supply.

Among the intermediates, very slight signs of a pickup were noted in dyestuff intermediates. But, the increases were not substantial. Aniline was virtually unchanged. DBPC is moving out in good volume, ahead of last year. Demand for divinylbenzene was strong. Phthalic anhydride was steady. Resorcinol was moving well to industrial demand, particularly for adhesives. Styrene monomer was at comparable levels to previous months. Demand from rubber is slow, but there was some interest from plastics. Indications from that direction were fairly good.

Steel operations were scheduled to be at 62.1 percent of capacity in the week ending August 22, according to the American Iron and Steel Institute. This was equivalent to a production index of 92.2, or 1,481,000 tons, compared with 1,557,000 tons one month ago, and 2,162,000 tons one year ago.

Price Trends

Advanced

None

Reduced

None

Comparative Price Indexes

(100—1948 average)

Last week	Prev. week	Last month	Aug. 21, 1953
114.57	114.57	114.57	114.57

(*For Current Prices see page 9*)

Basic Products

Benzol—Price schedules remained firm in a market that has not demonstrated much tendency towards change in the past several weeks. The current 40c. price was virtually uniform throughout the industry and has been that way all year. No reductions came about in the early part of the year when supplies were a little more abundant than they are now. As the market picture firmed up the price structure grew stronger. Although prices were not expected to go up at present, there was no apparent reason to look for a reduction, either. In fact, some trade sources foresaw little change in market conditions, either in prices or in the general tone of the market, during the next several weeks. Demand was steady and sufficient to move current low production right along. There was enough buying interest to put some sources in a soldup position for this month and September too.

Creosote—Inventories were increasing as demand continued to be slow. Nevertheless, stocks have not become overburdensome to producers yet. Behind the slow period lay the fact that railroads held their purchases to a minimum. At the last bids held by one consuming road, it was said the railroad was willing to buy only enough creosote to impregnate untreated ties which had to be preserved to save them. The railroads have been carrying on their maintenance operations largely through stocks. Future buying policies of the roads depended substantially upon whether or not freight earnings pickup.

Cresols—Producers still indicated that their tar acid business was firm. There have been some reductions in buying during the slow summer season. But, in the past few weeks there was a slight improvement noted by several sources. Demand for meta-para isomers remained fairly steady. There was still good interest from tricresyl phosphate. Here too, however, there has been a little seasonal slackoff and the movement for plasticizers and gasoline additives was not quite up to the former volume.

The general cresol picture was virtually unchanged from last month's levels. Although there was some decreased demand from various consumers, there was not enough to spoil the picture. At the same time where there has been a small improvement as vacation periods were over, there was not enough of an increase to seriously tighten up market conditions. Price schedules remained the same. Supplies were adequate for current needs.

Cresylic Acid — No significant changes were noted in the market. Demand was practically at the same levels as previous weeks. There has been some small improvement and the market picture looked firm. Producers did not look for the general level to change too much during the rest of this month. Where demand was most likely to improve was from consuming outlets that have completed vacations and were getting back to work. It was felt that buying from cresylic resins was not as strong as it could be, partly because of seasonal influences and partly because of competition in molding resins. Prices remained at previously established schedules.

Naphthalene—Price schedules remained firm and unchanged. There were no indications of an immediate revision in quotations for domestic crude. There have been speculations in the trade that domestic prices would rise in the last quarter of this year, particularly since imported hot-pressed naphthalene has remained so firm in price. However, no definite move in that direction has been seen yet.

Importers stated that there has been no significant change in the complexion of the market for 78-degree hot-pressed material. Stocks offered by foreign suppliers were for firm prices, usually higher than importers were able to sell for here. Some material continued to move, but the volume was considerably reduced from what it used to be.

Phenol—Most sources reported that demand for USP grade continued to be slow. Reduced buying interest because of consumer vacations was felt to be the answer to current conditions. Demand has not fallen off completely, but the reductions were seasonal and more or less anticipated. Natural tar acids have been reported to be moving at a relatively satisfactory rate. One producer said that activity was slightly better than they had expected. Prices of technical and USP grades all remained at previously quoted levels.

Pyridine — Several sources have indicated that they were moving 2-degree material in a little better volume than they were several months back. It was added that the buying was not new business, but regular consumers that come back into the market to buy for production. Even though activity was slightly improved, it was felt that there was still enough room for new end-uses to come in and take up the slack left by discontinued uses and recovery operations. Prices were firm at former levels. Suppliers indicated that they did not think it was likely that they would be able to move more pyridine at reduced prices. Demands appear to be based more upon needs than price, it was added.

Toluol—Most sources estimated that de-

Production Estimate

Estimated output of coal chemicals recovered from cokeoven operations during the week ending August 22, was as follows:—

Ammonia liquid, NH_3	lbs.	692,451
Ammonium sulfate	lbs.	25,027,140
Benzol	gals.	2,393,900
Coaltar	gals.	10,930,287
Creosote oil	gals.	613,313
Naphthalene, crude	lbs.	1,691,558
Pyridine, refined	lbs.	17,806
Toluol	gals.	476,806
Xylol	gals.	125,630

For Late Market Developments, See Page 4

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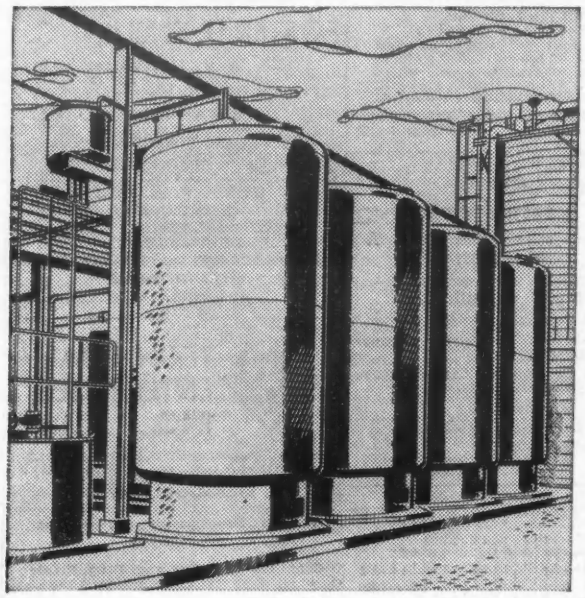

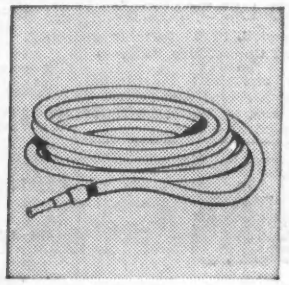

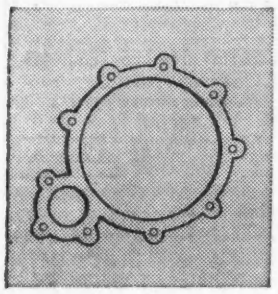

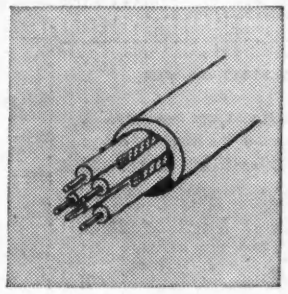

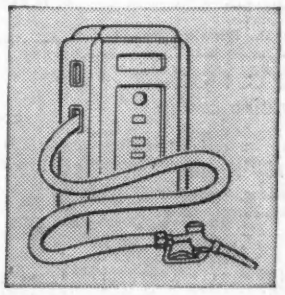

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mand and current production were about balanced. It was said that there was a little toluol around, but not much—not enough to be considered a surplus. Low light oil production rates have reduced output of this aromatic so much that market positions of individual producers seemed to vary according to their operating rate and the extent of contract commitments.

Industrial consumers were buying hand-to-mouth and at a relatively steady rate. There was no significantly strong demand from any single direction. Then again, there was enough consistent buying from many solvent outlets to move most coaltar output without diffculty. Some sources have been in a soldup position on toluol for this month. The volume of nitration grade going to defense outlets was relatively small and went on a bid basis.

Xylol—A relatively firm demand sustained at a good level kept coaltar xylol in short supply. A few producers continued to report that they found the market very tight. There was available petroleum material to fill the gap, but there was no extra coaltar xylol around. Prices remained firm.

June production of xylol by cokeoven operators totaled 828,515 gallons, compared with 813,340 gallons in May, and 848,400 gallons in June, 1953, according to the Bureau of Mines. The cumulative total for the first six months was 4,885,405 gallons, against 4,917,400 gallons produced in that period last year.

Intermediates

Aniline—There were no unusual or appreciable pickups noted in this market. Demand from rubber was depressed by the fact that there are labor tieups in the industry. Although there have been some very slight improvements seen from textile intermediates, producers indicated that there was nothing to get excited about.

6-tert-Butyl-m-Cresol—The volume of usage was below last year, a source reported. There were still a few outlets for MBMC that take steady amounts, but not as much as moved formerly Prices were unchanged.

Di-tert-butyl-p-cresol—The volume is up over last year primarily due to new uses. There has not been as much activity for DBPC from rubber outlets. However anti-oxidant uses have been good. Consumption in food grades and end-uses in the petroleum industry have expanded overall demand requirements in the market. Price schedules remained the same, and firm at previous levels.

Divinylbenzene — Producers indicated that the market was pretty strong. Demand from ion-exchange outlets has been very good. Government requirements have taken some of the production, but the resins accounted for a greater portion of present business. Prices were firm and unchanged.

Phthalic Anhydride — The market for phthalic was the same, producers said. Demand has not increased. Currently, buying is a little slow due to summer vacations. Activity for alkyds and plasticizers produced the same effect. There has been a fairly good export interest lately. Prices remained firm at previous levels. Ample supplies were available to handle all anticipated needs.

Resorcinol—Activity in this market has been very steady during the year. While there has been some loss of demand due to cutbacks in the government synthetic rubber program and because of labor tieups in the rubber industry, an exceptionally good call from water proof glues made up much of the difference. Industrial users of resorcinol-type glues were taking up the slack. Government call for glue uses in minesweeper construction has almost completely sluffed off, it was said. Thus, industrial consumption was carrying the market rather well. Prices were firm and not expected to change.

Styrene—Demand for the monomer has not seen much change. Movement to the rubber industry was temporarily slow due to labor disputes. However, the forecast for demand from rubber during the rest of the year was said to be good. A relatively steady volume went to polystyrene plastics. Demand in the plastics end of the market has been a little spotty. Some districts were doing quite well, while others were only beginning to show a little sign of increased activity. The toy industry has not started to move yet. Styrene plastics going to housewares have not been too good. But use in radios has been good. Refrigerators and television sets also account for some of the styrene plastics made. Monomer prices remained steady and firm. Production was adequate to handle most orders without difficulty, although there were local spots where a little backlog was building up, it was said.

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General Aniline Appoints Swain to Sales Position

Louis A. Swain has been appointed to the newly-created post of director of office equipment sales for the Ozalid division of General Aniline & Film Corporation, New York. Mr. Swain will be responsible for the direction of expanded market coverage. He had been assistant to the general sales manager since 1952 and previously served as office manager and branch sales manager for the Atlanta, Ga., office. He joined Ozalid in 1947 as supervisor of the Atlanta office.

Chlorinated Benzenes Described In Technical Publication by Dow

Dow Chemical Company, Midland, Mich., has issued a new technical handbook describing chlorinated benzenes, intended for the use of laboratory, research, production and purchasing personnel. Described in the booklet are o-dichlorobenzene, p-dichlorobenzene and 1,2,4-trichlorobenzene.

Bids Wanted

Paint, 900 gals. stencil and obliterating type, inv. 15, Aug. 27, Rock Island Arsenal, Rock Island, Ill.; 230 gals. enamel, synthetic, semi-gloss, 570 gals. enamel, interior, semi-gloss, inv. 11, Sept. 8, Anniston Ordnance Depot, Anniston, Ala.; 330 gals. paint, semi-gloss, enamel, air-drying type, for brush application, inv. 6-2849, Aug. 25, Justice Prisons, Chief Clerk, Fed. Reformatory for Women, Alderson, W. Va.; 10 items remover, paint, enamel, thinner, inv. 253, Aug. 25, 13 items lacquer, enamel, primer, remover, thinner, inv. ENG-254, Aug. 26, Corps of Engnrs., Division Engnr., S. Atlantic Division, 536 Old Post Office Bldg., Atlanta, Ga.

Potassium sulfate, 50,000 lbs. grade A, inv. 174-23, Sept. 1, Supply Officer, Navy Dept., 174 Naval Powder Factory, Indian Head, Md.

Triacetin, 110,000 lbs., inv. 174-22, Sept. 1, Supply Officer, Navy Dept., 174, Naval Powder Factory, Indian Head, Md.

FOA to Bring 100 European Physicians Here for Training

Foreign Operations Administration has announced that about 100 European physicians will be brought to the United States for post-graduate training in a move to stimulate exchange of scientific medical information with western European countries. The American College of Surgeons will operate the program for FOA. The men to be brought to the United States will include eminent specialists and medical scientists and also younger men who show special promise in the profession.

The European doctors will engage in graduate study and research in American universities and medical laboratories as well as internship and practice in hospitals here. FOA will finance the dollar program and administrative expenses, up to a maximum of $480,500, for an eighteen-month period covered by the contract with the surgeons group. Th countries participating in the program will arrange for payment of trans-Atlantic transportation and other costs payable in foreign currencies.

Amine Development Told

Universal Chemicals Corporation, Lonsdale, R. I., has announced a new high molecular weight tertiary amine known as "Fatchemco-O." This product is yellow in color, high boiling, heat stable and oil soluble. It is offered as a starting material for derivatives used in agricultural sprays, germicides, fungicides, quaternary ammonium compounds, ore flotation, metal processing, and petroleum additives, including demulsifiers, emulsifiers, detergents, wetting agents and corrosion inhibitors.

Foreign Trade Channels Detailed in New Booklet

Deciding how and where to sell and buy abroad is the most important problem facing any new world trader, according to a newly-published booklet of the Bureau of Foreign Commerce.

Designed as an introduction to the technics of exporting and importing, the new booklet, "Channels for Trading Abroad," is for businessmen who are planning to enter the world trade field for the first time or to expand their trade abroad. The twenty-four page booklet gives a quick picture of the principal channels through which successful world traders export and import, and directs readers to sources of specific information.

The pamphlet discusses the role of the export merchant, combination export manager, export agent, export commission house, export trade association, large company, and the buyer for export, as well as the several types of company organizations, as US channels for exporting. The sales agent and the distributor are the exporter's foreign distribution channels. The US channels described for importing include the import merchant, indent house, import commission house, resident agent, importing wholesaler or jobber, import broker or factor, and the direct buyer.

An important feature of the booklet is the guide to available lists of foreign importers, exporters, dealers, and distributors, grouped by commodities handled and by countries. Thousands of such "trade lists" have been compiled by BFC for areas where local conditions and promotion of trade with the United States warrant their preparation. "Channels for Trading Abroad" may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., or from any of the Commerce department's field offices for 25 cents.

Celanese Post to Morrison

W. D. Morrison has been named assistant to the director of the development department of Celanese Corporation of America, New York. Until his promotion, Mr. Morrison for the last two years was assistant manager of the product development department of the chemical division of the company.

Succinonitrile Technical Bulletin Offered by Monsanto Organic Unit

A technical bulletin detailing the more important organic reactions of succinonitrile has been compiled from a bibliography of seventy-two references by Monsanto Chemical Company's organic chemicals division, St. Louis, Mo.

The reactions, which are summarized in a two-page diagram with text references, include those of both the nitrile and methylene groups. The bulletin also contains suggested uses for succinonitrile and provides toxicity and handling information. It is available on request. Succinonitrile, a recent addition to Monsanto's nitrogen petrochemicals, is offered in pilot plant quantities for development purposes.

Polystyrene of Foamable Variety Is Described in Technical Book

A new foamable polystyrene is described in a twenty-four page booklet entitled "Koppers Expandable Polystyrene," issued by the chemical division of Koppers Company, Inc., Pittsburgh, Pa. Applications of this product in various industrial fields, including thermal insulation, toys, novelties and displays, buoyant members, sandwich constructions, electronics, and packaging, are discussed in this illustrated bulletin. Also included is technical information with charts and diagrams in color. Copies may be obtained by addressing a request for Bulletin C-4-204 to the chemical division of the company in the Koppers building, Pittsburgh 19, Pa.

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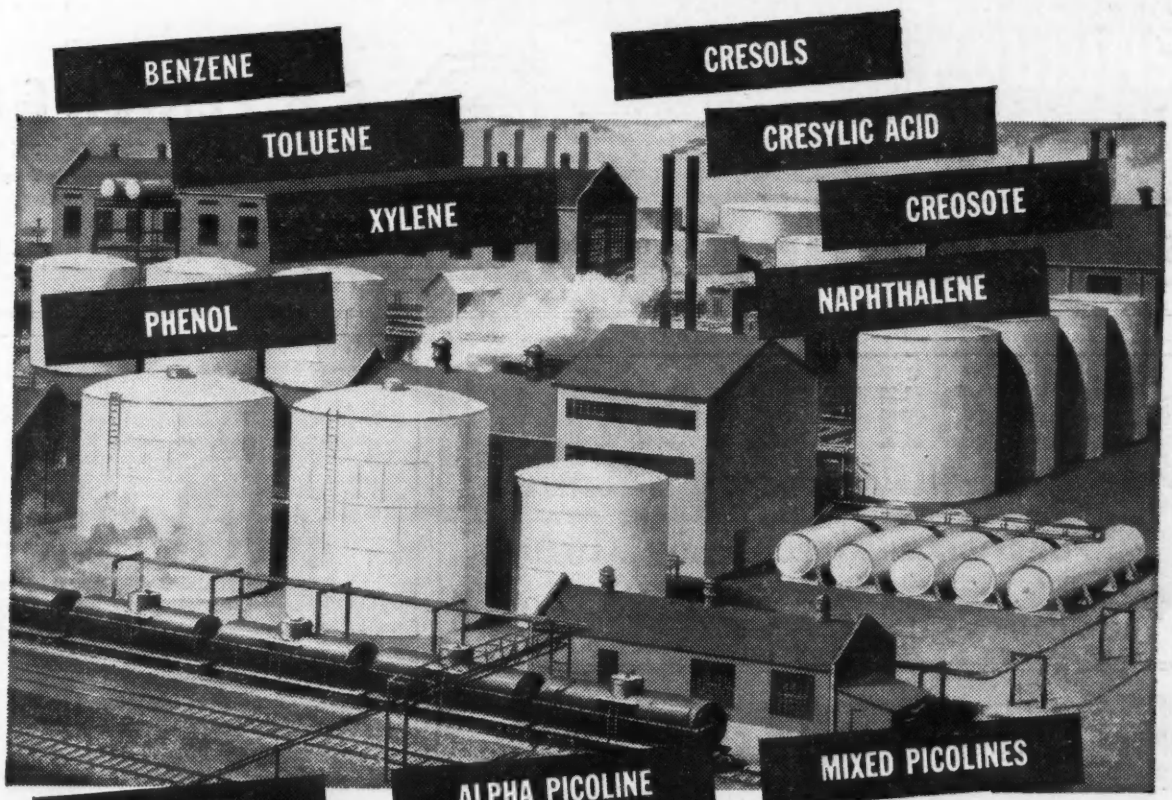

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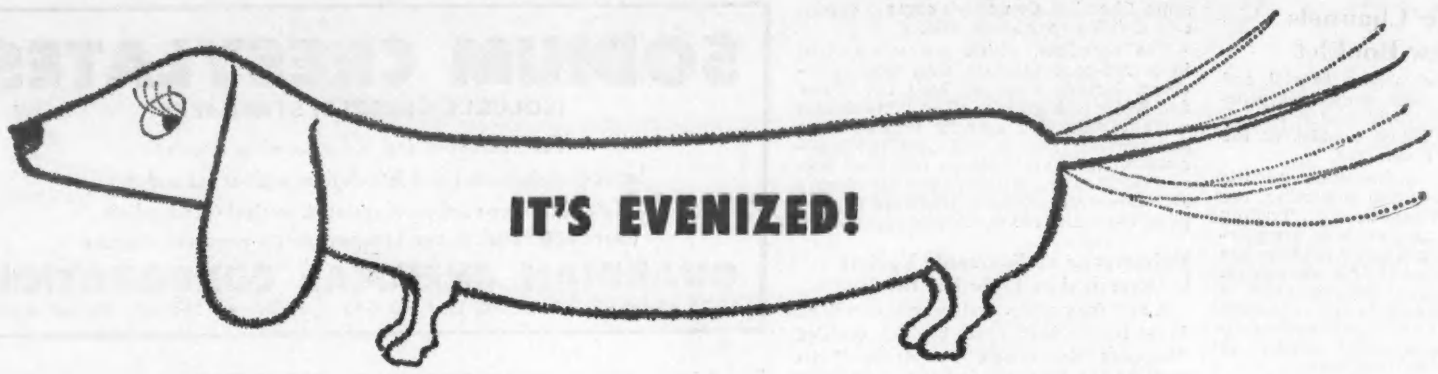

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The advancing trend in Brazilian menthol prices last week continued to constitute the major price action in this otherwise dull summer period. Spot quotations were up 25 cents per pound over the preceding week with the likelihood that this week will see further price advances, some trade sources averred. The current market situation was felt to be the usual outgrowth of a situation wherein production of a commodity is discouraged by the fact that market prices are at levels representing a very small return to the grower. In this case, the production of peppermint in Brazil had been curtailed due to the low prices offered in the market in recent years. With the decline in plantings, production of Brazilian menthol decreased and the supply situation shifted from one of plenty to that of increasing paucity. Added to this factor has been the rise in quoted prices for so-called synthetic menthol as a result of a tight situation in citronella oil. With fall buying expected next month, it appeared that the market would continue firm with prices advancing nearer to the levels attained shortly after the start of the Korean "police action."

Elsewhere in the drugs and fine chemicals market, there was little if any change noted, as far as prices were concerned. Consumption of all but a few seasonally active items was fair. Industrial activity was expected to accelerate after Labor Day and until next month no appreciable change in the rate of demand was anticipated, it was said.

The tartrates were reported to be very firm. Contributing to the firm market position in these items was the fact that seasonal demand for tartaric acid and cream of tartar was at good levels in addition to the strong price position in argols at production centers in Europe. The future price pattern of the tartrates was dictated to a great extent by the prices paid in Europe for argols, the raw materials from which tartrates are manufactured. It was reported that Europe was apparently willing to pay the high prices currently being asked and it appeared probable that quotations would continue firm.

Some of the synthetic vitamins were more affected by seasonal increase in demand than others, it was noted last week. The use of ascorbic acid (vitamin C) in the processing of frozen foods has been stepped up with the approach of the harvest season.

Antibiotics—The market in antibiotics continued about unchanged since last reports. Demand was said to be moving at seasonal levels with inquiry expected to increase next month, at which time consumers generally start buying, in anticipation of Fall and Winter requirements. Consumption of antibiotics during the warm weather months is almost inevitably below that during the cold weather season when illness and disease make their greatest inroads upon the health of the consumer. Supplies of all the bulk antibiotics were ample, as far as could be determined, for current needs. Production capacity was said to be sufficient to meet any normal increase in demand in coming months. With reference to production capacity for penicillin, there appears to be considerable standby equipment not in use; the result of the boom in penicillin in recent years and the government inspired construction of new facilities in order to meet expansion goals.

Production of bulk penicillin and salts amounted to 31,068,180,000,000 International units in May according to the Tariffs Commission compared to 33,057,890,000,000 units in April this year. Production of dihydrostreptomycin in May totaled 13,446,641 grams compared to 12,290,748 grams in April, 1954, while production of streptomycin amounted to 5,374,486 grams in May compared to 4,303,027 grams in April.

Chlorophyll — Demand for chlorophyll was reported to be moving at routine levels, on the whole. Consumption of chlorophyll continues to be confined, in the main, to a few large users in the dentifrice, dog food, and deodorant field, it was said. There have been predictions that demand for chlorophyll would increase in future years after clinical research studies are completed on several medical phases.

Supplies were adequate to meet consumer requirements and existent production capacity, built in recent years to handle the anticipated boom in consumption, stood ready to meet any further increases in demand. Prices were steady and unchanged.

Menthol—The spot market in Brazilian menthol continued to strengthen last week as evidenced by a 25c. per pound rise in price during the week. It appeared reasonably certain that prices would advance higher than the current $8.65 to $8.75 level in future weeks. The short crop this year has been reportedly due to decreased planting of peppermint in Brazil in recent years. Menthol producers, discouraged by the low prices paid for Brazilian menthol, decreased their output with an inevitable declining of supply to below consumption levels. The current tightening supply and high price of synthetic menthol was an additional decisive factor in the strong state of natural menthol prices. Japanese menthol continues at very high price levels.

Vitamins—Demand for synthetic vitamins was reported to be moving at generally good levels. The use of ascorbic acid in the frozen food industry has been proceeding at an excellent rate. Processing of frozen fruits and vegetables is in its peak period for the year and will continue high throughout harvest time, it was said. It was expected that demand for vitamin A, D and the B vitamins would be stepped up after Labor Day when manufacturers of vitamin completes and formulae begin to anticipate Fall and Winter requirements.

Supplies of vitamins were reported to be excellent. Production capacity was reportedly more than adequate to meet any normal increase in consumption. The Tariff Commission has reported production of ascorbic acid and salts at 170,411 pounds in April this year. Production of niacin and niacinamide amounted to 182,438 pounds in May compared to 228,844 pounds in April. Production of thiamin derivatives (B_1) was 22,854 pounds in May compared to 24,894 pounds during April.

Price Trends

Advanced

Belladonna leaves, 7c. per lb.
Chamomile flowers, Hungarian, 5c. per lb.
Ipecac root, 50c. per lb.
Menthol, Brazilian, 25c. per lb.
Saffron, Spanish, $1 per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
68.81	68.80	68.79	73.51

(*For Current Prices see page 9*)

Botanicals

The spot market was reasonably active last week with drought conditions in central Europe contributing to the strengthening of the primary market there. Affected by this factor were belladonna leaves and Hungarian chamomile flowers. The advance in the former was sudden, with spot quotations climbing 7 cents per pound virtually overnight, according to trade sources. Hungarian chamomile flowers were advanced 5 cents per pound. Dry weather conditions in central Europe were reported to have hindered proper plant growth with a resulting deleterious effect upon crop size. Ipecac root advanced 50 cents per pound, on spot, with the likelihood of further increases in the near future. Europe has been bidding high for available root, it was said, and dealers here have been forced to pay higher replacement prices.

Spanish saffron flowers were up $1 per pound as holders here were forced to recognize higher shipping prices from source. Overall trading volume in botanicals has been disappointing to date despite anticipation of the usual seasonal dip in inquiry. Next month was expected to see consumers move to anticipate Fall and Winter requirements, it was said.

Arnica Flowers—There were very few lots of this item to be had, according to trade sources. Prices were virtually nominal with true, montana flowers priced at $2.50 per pound.

Belladonna Leaves — Shipping prices on belladonna leaves were reported to

For Late Market Developments, See Page 4

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have advanced sharply. The increase came almost overnight, according to trade sources. Drought conditions in central Europe were reportedly responsible for the short crop collection and resultant high prices. Spot quotations were up 7c. per pound with current levels 35c. to 37c.

Chamomile Flowers—Spot prices were 5c. per pound higher last week. Spot offerings were very scarce and poor crop conditions in Central Europe have resulted in few offers from growing centers. Drought conditions in Central Europe have interfered with proper growth of the flowers and it appeared likely that the crop would be smaller than anticipated earlier. Whether prices will continue to advance depends to a considerable degree upon the extent of consumer demand, it was said. Consumers were expected to begin to anticipate their Fall requirements by next month. Hungarian chamomile flowers were currently priced at 75c. to 80c. per pound while Roman flowers were pegged at $1 to $1.15.

Euphorbia Pil—Prices were steady with quotations ranging from 15c. to 17c. per pound. Supplies were adequate for consumer demand and expected to continue ample in the immediate future.

Ipecac Root—Heavy buying by Europe has reportedly driven ipecac root prices further upward. Spot quotations last week were 50c. higher with the whole root pegged at $8 per pound and the powdered, at $8.50. The supply situation continues tight with little prospect of any appreciable improvement in the near future.

One of the principal if not the foremost reasons for the high prices asked for ipecac root in recent years has been increased labor costs. In gathering areas, many new industries have been luring native workers away from the bush to manufacturing centers by virtue of higher wages offered than that paid for botanical collection. It would seem likely that high prices will continue to prevail for this botanical root in view of the circumstances in gathering regions.

Orris Root—Although harvesting of this year's crop has been reported started, dealers were puzzled by the comparative lack of offers to date from origin. Some trade quarters said that perhaps growers in those areas were prepared to hold back on offers in an effort to drive market prices upward this year in view of the very small stocks on hand, carried over from last year. Spot prices, in the present situation, continued very firm. Florentine orris root was quoted at 35c. to 40c. per pound with the powdered material 40c. to 43c. per pound. Verona orris root was quoted at 29c. to 31c. with powdered at 35c. to 40c.

Rauwolfia Serpentina—According to a FDA report received last week, 2 lots (280 bags) of this botanical have been detained for being in a moldy condition and possibily more important, for not being R. serpentina. There was no appreciable change in the supply position of this botanical item. It continues in strong demand by pharmaceutical manufacturers who use the root or its alkaloids in the manufacture of various drugs used to treat mental diseases and hypertension. Concerning exportation of the root, the Indian government has set up a licensing system. Under the setup, shippers in India must have had their consignmen.s afloat before the expiration date of their licenses. Since many of the licenses were not given out until the middle of June with expiration dates of July 15 or thereabout, it was considered doubtful whether buyers would receive anything like quantities that have been contracted. The policy was said to be discouraging o shippers at origin who did not have sufficient time to arrange for collection, drying of the root and getting it afloat before the expiration period. In addition, percentage quotas have been set up by the Indian government to curtail the amount of Rauwolfia shipped out of the country. The current market price, in New York, based upon expected higher replacement costs was about $2.50 per pound for powdered, whole root although some lots were reported sold at $3 per pound.

Saffron Flowers—Offers from shippers in Spain were reported to have firmed considerably. Asking prices, if paid, were push spot prices here to $28 for good quality material, according to trade quarters. On spot, current quotations ranged from $26 to $28 per pound.

Senna Leaves—The market continued at steady levels last week. Prices at origin recently advanced and the spot market has reflected the increased costs, it was noted.

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Hoffmann-LaRoche Division Tells of Personnel Changes

The addition of two new members of the field staff and changes in the internal staff of the bulk vitamin division of Hoffmann-LaRoche, Inc., Nutley, N. J., have been announced by Paul J. Cardinal, vice-president in charge. Under the direction of C. C. Robinson, vitamin division sales manager, Fritz J. Hopf and Stanley T. Olds have joined the division's staff of field representatives in the Philadelphia and Chicago areas, respectively. R. Semmes Clarke and John Haase, jr. recently joined the Nutley administrative staff.

Mr. Hopf has been associated with Hoffmann-La Roche since 1941. His work with the pharmaceutical specialties division in the Philadelphia area earned him a promotion after the retirement of A. C. Biles, who represented the vitamin division in the Philadelphia area since 1942. Mr. Hopf's territory includes eastern Pennsylvania, southern New Jersey, Maryland, West Virginia and the District of Columbia. Mr. Olds has joined the Roche vitamin division's group of sales representatives in the Chicago area after an eight and one-half years association with Magnus, Mabee & Raynard, Inc., in the Detroit, Mich., area. Mr. Olds was for the past three years treasurer of the Detroit Drug Club and is currently its president.

Mr. Clarke was with Calvert Distilling Company prior to World War II. After the war he joined Merck & Co. in production planning. Mr. Haase has a background of experience in industrial photography, publicity, advertising and lithographic production and displays. Past associations include Garraway Company and Osborne Company.

Indian Gov't Releases Added Export Quota for Castor Oil

The Indian government has released an additional export quota for castor oil equal to 50 percent of the actual shipments made by exporters during 1953, subject to a maximum allotment totaling 400 long tons (448 short tons) for any one shipper. The added 440-ton quota will be valid for export shipment up to the end of October.

Although the announcement has been generally welcomed in Indian trade circles, some of the larger shippers do not favor the 400-ton limitation as they would have been entitled to a larger additional export quota on the basis of an allocation of 50 percent of their shipments.

Atomic Power Project Position to Dr. Dunning

Dr. John R. Dunning, nuclear scientist and dean of engineering committee of the Dow Chemical-Detroit Edison Atomic Power Project. Dr. Dunning is a also a director and a consultant of Vitro Corporation of America, one of the twenty-six associated companies in the Dow-Detroit project. In 1939 he performed the experiment which first proved the nuclear fission hypothesis advanced by European scientists.

Obituaries

Isaac H. Godlove

Isaac H. Godlove, senior physicist at the central research laboratory of General Aniline & Film Corporation at Easton, Pa., died August 14 in that city. He was sixty-two years old.

Mr. Godlove, after serving on the faculties of Missouri State Normal School and the University of Oklahoma, became research director of Munsell Color Company, Baltimore, Md. Later, he was connected with Color Service Laboratories at Washington. From 1935 until 1941 he was with E. I. duPont de Nemours & Co., Inc., Wilmington, Del., in a research capacity. He joined the central research laboratory staff at General Aniline in 1943.

Paul W. Shafer

Paul W. Schafer, Republican congressional representative from Michigan, died August 17 in Washington. He was sixty-one years old. In recent years, Mr. Schafer devoted much time to synthetic rubber legislation, authoring a bill through which the government continued synthetic rubber development and production after World War II, and sponsoring synthetic rubber disposal legislation.

Robert T. Vanderbilt

Robert T. Vanderbilt, founder and president of Vanderbilt Chemical Corporation, New York, and a number of subsidiaries, died August 14 in that city. He was sixty-nine years old. Mr. Vanderbilt founded the company in 1916, at the same time becoming president.

George M. Gales, former president and chairman of the board of Liggett Drug Company, died August 15 in Locust Valley, N. Y. He was seventy-eight years old. Mr. Gales became first vice-president in 1921 of United Drug Company and joint managing director of Boot Pure Drug Company, an English concern in which United Drug had purchased a controlling interest. He became president of Liggett in 1914 and chairman of the board in 1940. He retired in 1947.

Joseph W. Gartland, an authority on high temperature reactions and a research chemist with National Carbon Company, at Cleveland, Ohio, died August 15 in Lakewood, Ohio. He was fifty-three years old.

William D. McAdams, chairman of the board of William Douglas McAdams, Inc., New York, pharmaceutical advertising agency, died August 14 in Winnetka, Ill. He was sixty-seven years old.

William Schwarzkopf, executive vice-president of American Electro Metal Corporation, Yonkers, N. Y., died August 16 in Thornwood, N. Y. He was forty-eight years old.

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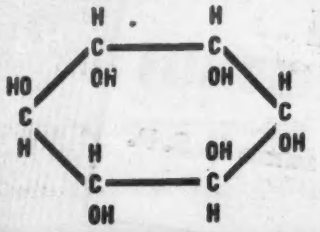

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Sharp & Dohme Grants At $43,100 Since January

Grants totaling $43,100 for research and clinical studies have been made by Sharp & Dohme, Philadelphia, a division of Merck & Co., to hospitals, colleges and universities since January 1, according to an announcement by the research and medical divisions.

Medical division grants to support clinical studies accounted for $25,200 of the total. Among the recipients were:—Newark Clinical Group Foundation, Newark, N. J.; University of Pennsylvania, Philadelphia; Foundation of Research in Bronchial Asthma and Related Diseases, Boston; University of North Carolina, Chapel Hill, N. C.; Baylor University Houston, Tex.; Peter Bent Brigham Hospital, Boston; University of Texas, Galveston, Tex.; Hektoen Institute, Chicago, and University of Utah, Salt Lake City, Utah.

Among the ten recipients of research division grants totaling $17,900 were the following:—Alabama Polytechnic Institute, Auburn, Ala.; Johns Hopkins University, Baltimore, Md.; Cornell University Ithaca, N. Y.; University of Minnesota, Minneapolis, Minn.; University of Texas, Austin, Tex., and Princeton University, Princeton, N. J.

Stanford Research Names Miller to Chemistry Dept.

Allyn C. Miller, former technical operations supervisor of California Research & Development Company, has joined the staff of Stanford Research Institute as an assistant chairman of the chemistry department. Mr. Miller will supervise project work in the chemical, metallurgical and ceramic engineering section as well as in air research.

Before joining the Livermore research organization, where he was doing work for the Atomic Energy Commission, Mr. Miller was president of Mill-Hall, Inc., manufacturers of chemical specialties at Richmond, Calif. He was previously a process design engineer with Shell Chemical Corporation, San Francisco, and earlier a development engineer with E. I. duPont de Nemours & Co., at Wilmington, Del.

Labeling Law Changes

—Continued from page 3

was no particular need for additional state regulations," he said. "However, since the states of California, Oregon and Illinois and the Territory of Hawaii have similar codes, it was of interest to the entitre industry that the New York code also follow a similar pattern."

Detailing MCA's role in formulating the New York rules, Mr. Minteer indicated the association's labeling committee "helped set forth definitions for hazards which would restrict labeling to chemicals which could cause injury to the user under normal, foreseeable conditions of use."

He emphasized that under the New York law "chemicals which are not hazardous will require no warning labels, and those which are hazardous under the definitions set forth will provide protection for the people whose job it is to handle chemicals."

Chemical Agreements Committee

New York's adoption of the MCA principles marks a high point in chemical industry efforts for more than two decades to cope with the growing labeling problem. Spurred by the introduction of a "poison" bill in 1932 by Sen. Bingham of Connecticut, the industry joined with the Public Health Service in a Chemical Products Agreements Committee. The group was set up to work out a series of pacts with the Surgeon-General on methanol, carbon tetrachloride and related chlorinated hydrocarbons, the chlorinated naphthalenes, chlorinated diphenyls and chlorinated diphenyl oxides, carbon disulfide, aniline oil and benzol.

Under these pacts, manufacturers voluntarily agreed to affix specific warning labels on shipments of these products and to certify that this step had been taken on bills of lading and invoices. MCA supplied the labels to all users at cost. These accords, signed in 1934, continued until 1952 when they were discontinued because of the introduction of many new products not covered in the agreements and the existence of MCA's labeling principles which were considered to provide more suitable warning labels. PHS, incidentally, recently reactivated the Chemical Products Agreements Committee to work with MCA on a continual study of labeling problems.

MCA's 1936 Labeling Report

Although it undertook the printing of warning labels in 1934, it was not until two years later that MCA jumped into the labeling field with both feet. In 1936 the association issued "A Confidential Report on Adequate Labeling—Its importance to the Chemical Manufacturer," which made labeling recommendations and also dealt with the manufacturer's obligations under the law. MCA's labels and precautionary information committee, sponsor of manual L-1, was not organized until some six years after the federal food, drug and cosmetic law of 1938 was passed.

In ten years of existence, MCA's labeling committee has largely achieved the association's warning labels program goals, according to Sanford J. Hill, a charter member of the group. While conceding that "much remains to be done in a few areas," he points out that "industry has voluntarily adopted the program to a remarkable degree."

Four states and a territory have labeling rules based for the most part on MCA principles, he notes, adding that New Jersey is considering similar regulations and that a committee of the International Association of Governmental Labor Officials is drawing up a set of "model regulations" for use by states in the shaping of labeling Rules.

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AEC Unclassified Material Going to Stanford Institute

The Atomic Energy Commission has named Stanford Research Institute one of three national Industrial Information Depositories of unclassified information concerning developments in the field of atomic energy, and has picked William A. Casler research coordinator to organize the depository. Other depositories are to be maintained by the Atomic Industrial Forum of New York and the John Crerar Library of Chicago.

Stanford will establish a facility to maintain the collection and provide library, reference, photocopy and literature-research services to public interests. The institute recently received an initial complement of materials consisting of 700 reports of industrial interest selected from 9,500 "basic science" reports filed with the AEC. The first collection also includes a set of reproducibles of drawings for a "swimming pool" reactor, all back issues of "Nuclear Science Abstracts" and sets of bibliographies of selected AEC reports of value to industry.

Ill. Institute of Technology Appoints Eight to Faculty

Eight appointments to the faculty of Illinois Institute of Technology, Chicago, effective September 1, have been announced by President John T. Rettaliata.

New faculty members are:—Paul Gordon, associate professor of metallurgical engineering; Alexander Jen Wang, assistant professor of mechanics; Anthony Gonzalez Martorell and Henry Husal, jr., electrical engineering instructors; Pasquale Porcelli and Hans Lennart Pearson, mathematics instructors; Peter Joseph Lucchesi, chemistry instructor, and John Edward Blair, mechanical engineering instructor.

APhA Parley in Boston

—Continued from page 4

ary, to be made by its president, Mrs. Ray S. Kelley.

The house of delegates will give consideration to many of the current problems of the profession, and included among the addresses to the house will be that of Earl A. Grove of the Federal Civil Defense Administration, who will speak on "The Pharmacist in Civil Defense," at the first session of the house of delegates on August 24.

Among the speakers at the second session of the house of delegates on the morning of August 25 are:—Dr. Austin Smith, editor of the *Journal* of the American Medical Association; Dr. Charles U. Letourneau, secretary of the council on professional practice of the American Hospital Association; George Bugbee, president of the Health Information Foundation; and Leib L. Riggs, chairman of the house of delegates, who will present his annual message to the delegates at this sesion.

Special Section Meetings

The scientific section, the section on practical pharmacy, the section on historical pharmacy, the section on education and legislation, and the section on pharmaceutical economics, will hold separate sessions simultaneously. More than 200 papers will be read and discussed at these section meetings.

The National Association of Boards of Pharmacy will meet on August 23 and 24. The American Society of Hospital Pharmacists opened its sessions with the meeting of its house of delegates yesterday and is continuing its sessions today and tomorrow. The American College of Apothecaries will hold open sessions today and tomorrow.

Trade Briefs

Dr. Harvey L. Daiell, scientific director of Lakeside Laboratories, Inc., Milwaukee, Wis., has left for Europe on a business trip.

Miss Alberta L. Brown, head librarian at Upjohn Company, Kalamazoo, Mich., was honored at the seventh anniversary dinner of the pharmaceutical section of the Special Libraries Association during the annual convention held recently in Cincinnati, Ohio.

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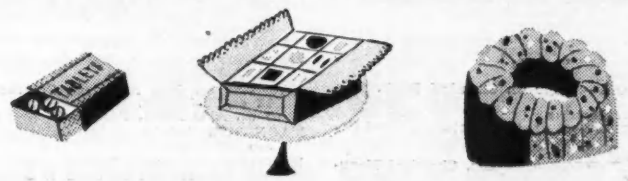

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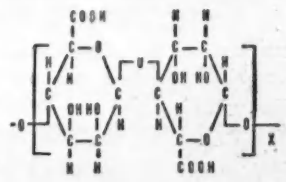

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PHOSPHATE, DIBASIC—1,197 bgs, Antwerp
1,025 bgs, Wessel Duval & Co, Antwerp
SILICATE—111 dms, Judson Sheldon, Genoa
CAMPHOR OIL—25 dms, Givaudan Corp, Kobe
CARAWAY OIL—3 dms, Magnus, Mabee & Reynard, Rotterdam
SEED—600 bgs, R J Spitz, Rotterdam
200 bgs, A Gronowitz, Rotterdam
250 bgs, Joel Bieler, Rotterdam
200 bgs, Ley & Levis Co, Rotterdam
350 bgs, C M Van Sillevoldt, Rotterdam
200 bgs, Louis Furth, Rotterdam
100 bgs, Rotterdam
CARDAMOM—5 cs, Bombay
CARNAUBA WAX—620 bgs, A J Murray & Co, Salvador
110 bgs, A J Murray & Co, Rio de Janeiro
56 bgs, Poons Co, Rio de Janeiro
CASEIN—500 bgs, Crawford Kish & Co, Buenos Aires
500 bgs, Tupman Thurlow, Bordeaux
357 bgs, Bank of Manhattan Co, Ponte Delgada
200 bgs, American Plastics Corp, Bordeaux
CASHEWNUT SHELL LIQUID—125 tons, Fidelity Union Trust Co, Cochin
263 dms, National City Bank, Cochin
CASTOR BEANS—8,906 bgs, Baker Castor Oil Co, Salvador
5,079 bgs, Chase National Bank, Salvador
1,108 bgs, Spencer Kellogg, Port de Paix
340 bgs, Marcel Calvet, Guayaquil
340 bgs, Marcel Calvet, Manta
OIL—200 tons, Guaranty Trust Co, Bombay
200 tons, Recife
235 tons, Rotterdam
CELERY SEED—510 bgs, National City Bank, Bombay
164 bgs, Irving Trust Co, Bombay
164 bgs, Marine Midland Trust Co, Bombay
170 bgs, Corn Exchange Bank, Bombay
CHESTNUT EXTRACT—600 bgs, Barkey Importing Co, Genoa
CINNAMON LEAF OIL—48 dms, Fuerst Bros, Tamatave
QUILLS—100 bls, Fuerst Bros, Colombo
125 bls, Louis Furth, Colombo
100 bls, Curacao Trading Co, Colombo
CITRONELLA OIL—11 dms, Fuerst Bros, Colombo
CLOVE—400 bgs, A G Dunn, Tamatave
100 bgs, Chase National Bank, Tamatave
LEAF OIL—121 dms, Tamatave
COALTAR DYES—14 cks, Hensel Bruckmann & Lorbacher, Rotterdam
16 dms, Hensel Bruckmann & Lorbacher, Rotterdam
4 dms, Geigy Chemical Co, Rotterdam
15 dms, Hudson Shipping Co, Liverpool
COPAL GUM—47 bkts, Wm H Scheel, Macassar
CORIANDER OIL—2 cs, George Lueders & Co, Rijeka
SEED—1 bgs, Levy & Levis Co, Casablanca
COTTON LINTERS—127 bls, Williamson Northup Co, Santos
m-CRESOL—3 kgs, H A Gogarty, Liverpool
CRESYLIC ACID—29 tons, Midland Tar Distillers, London
241 dms, H A Gogarty, Liverpool
CUMIN SEED—529 bgs, General Foreign Sales Corp, Khorramshahr
DAMMAR GUM—315 bgs, Internatio Rotterdam, Singapore
70 bgs, O G Innes Corp, Singapore
30 bgs, O G Innes Corp, Bangkok
210 bgs, Standard Chemical Co, Singapore
DEXTRIN—433 bgs, Guaranty Trust Co, Rotterdam
100 bgs, Manhattan Paste & Glue Co, Amsterdam
100 bgs, Morningstar Nicol, Amsterdam
EPSOM SALT—500 bgs, Bank of Manhattan Co, Hamburg
FERRIC CARBONYL—54 dms, Caldwell & Co, Antwerp
CHLORIDE—53 dms, Rotterdam
PERSULFATE—10 bbls, Glasgow
FISHLIVER OIL—3 dms, Vitamins Inc, Yokohama
FUEL OIL—111,000 bbls, Esso Export Corp, Aruba
110,594 bbls, Esso Export Corp, Caripito
321,000 bbls, Esso Standard Oil Co, Aruba
115,902 bbls, Metropolitan Petroleum Corp, Punta Cardon
10,000 bbls, Asiatic Petroleum Corp, Curacao
GALLIC ACID—30 dms, Glassow
GARNETLAC—50 bgs, C H Timm, London
GELATIN—400 bgs, T M Duche & Sons, Havre
303 bgs, Transatlantic Animal By Products Corp, Hamburg
60 bgs, T M Duche & Sons, Rotterdam
GENTIAN ROOT—274 bgs, Prentiss Drug & Chemical Co, Rijeka
GERANIUM OIL—1 dm, V Mane, Rotterdam
GINGER—100 bgs, Joensson & Cross, London
100 bgs, Mincing Trading Corp, Kingston
11 bgs, Hoffman Beverage Co, Kingston
333 bgs, Kingston
GLUE, PEARL—400 bgs, Transatlantic Animal By Products Corp, Antwerp
STOCK—199 bls, H Remis & Co, Puerto Plata
94 bdls, Alpe Co, Havana
292 bdls, H Remis & Co, Barranquilla
GRAPHITE—1,550 bgs, C Pettinos, Tamatave
1,000 bgs, Joesph Dixon Crucible Co, Tamatave
500 bgs, Asbury Graphite Mills, Tamatave
250 bgs, Joesph Dixon Crucible Co, Colombo
250 bgs, Asbury Graphite Mills, Colombo
GUAR GUM—200 bgs, Paul A Dunkel & Col, Rotterdam
GYPSUM—15,707 tons, U S Gypsum Co, Hantsport
7,585 tons, National Gypsum Co, Dingwall
HAARLEM OIL—10 cs, Rotterdam
HYDROXYCYCLOHEXYL HYDROPEROXIDE—20 cs, Celanese Corp of America, Rotterdam
IODINE, CRUDE—80 kgs, Month Atlantic Fertilizer & Chemical Co, Yokohama
IPECAC ROOT—5 bls, Herman Hollander, Santos
7 bls, Elias Moos, Santos
KAMALA POWDER—9 bgs, Inland Alkaloid Co, Calcutta
KARAYA GUM—48 bgs, National City Bank, Bombay
KOLA NUTS—50 bgs, D Steengrafe & Co, Kingston
LABDANUM GUM—7 cs, Seville
LACTOSE—23 dms, Rotterdam
LAVENDER OIL—2 dms, Ungerer & Co, Marseille
LEMON OIL—7 dms, F D Keller & Son, Vera Cruz
40 qu cs, Chemical Bank, Messina
LEMONGRASS OIL—6 dms, Chemical Bank, Cochin
6 dms, Credit Suisse, Cochin
6 dms, Fuerst Bros, Cochin
22 dms, Givaudan Corp, Cochin
47 dms, Lo Curto & Funk, Cochin
LIVERMEAL—546 bgs, Wessel Duval & Co, Buenos Aires
LOCUST BEAN GUM—500 bgs, Morningstar Nicol, Piraeus
100 bgs, T M Duche & Sons, Rotterdam
300 bgs, Uni Gum Corp, Rotterdam
100 bgs, Wm M Allison & Co, Rotterdam
400 bgs, Morningstar Nicol, Genoa
578 bgs, Genoa
POWDER—100 bgs, Genoa
LOGWOOD EXTRACT—200 cks, American Dyewood Co, Kingston
MACE—25 cs, Catz American Co, Macassar
12 cs, R J Spitz, Macassar
7 cs, A G Dunn, Rotterdam
MAGNESITE—500 bgs, Globe Shipping Co, Trieste
200 bgs, Split
MENTHOL—275 cs, Lo Curto & Funk, Santos
50 cs, Carriques Steward & Davies, Gothenburg
46 cs, Bankers Trust Co, Marseille
34 cs, Dodge & Olcott, Marseille
74 cs, Consumers Import Co, Marseille
MERCURIC-AMMONIUM CHLORIDE—1 cs, London
MERCURY—325 flks, Lo Curto & Funk, Tampico
250 btls, J H Schroder, Leghorn
300 btls, Rijeka
MONTAN WAX—340 bgs, Wax & Rosin Products, Bremen
MUSTARD OIL—10 cs, Lo Curto & Funk, Hamburg
MYROBALANS—1,454 bgs, Olson Sales Agency, Vizagapatam
NAPHTHOL—11 dms, Kaukmann & Vinson, Rotterdam
2 dms, Hensel Bruckmann & Lorbacher, Rotterdam
5 dms, Heemsoth Kerner, Rotterdam
4 dms, Gorman & Anderson Corp, Rotterdam
b-NAPHTHOL—3 dms, Globe Shipping Co, Amsterdam
NICKEL CARBONYL—4 dms, Caldwell & Co, Antwerp
CHLORIDE—2 cks, Amplex Chemical Co, Bremen
FORMATE—300 bgs, Archer Daniels Midland Co, Bremen
SULFATE—30 bgs, Amplex Chemical Co, Bremen
14 cks, Amplex Chemical Co, Bremen
34 bbls, Overseas Metal & Ore Corp, Rotterdam
NIGER SEED—59 bgs, Marine Midland Trust Co, Massawa
m-NITRO-p-TOLUIDINE—4 dms, Filo Color & Chemical Corp, Rotterdam
NUTMEG—70 bgs, Fuerst Bros, Macassar
67 bgs, Rotterdam
OCOTEA CYMBARUM OIL—22 dms, Bank of London & S A, Rio de Janeiro
14 dms, Itajai
OLIBANUM GUM—133 bgs, Irving Trust Co, Massawa
OLIVE OIL—51 dms, Coldero & Co, Barcelona
50 dms, Corn Exchange Bank, Seville
26 dms, D A Silafani, Barcelona
OPIUM—125 cs, Barr Shipping Co, Istanbul
PAPAIN—204 cs, National City Bank, Colombo
25 cs, Getz Bros & Co, Colombo
56 hlf chts, American Ferment Co, Colombo
39 hlf chts, Chas L Huisking & Co, Colombo
13 hlf chts, Kellys America Ltd, Colombo
7 cs, Chas L Huisking & Co, Dar es Salaam
20 cs, S B Penick & Co, Dar es Salaam
PAPRIKA—50 bgs, H Marmorek & Son, Alicante
420 bgs, J Weinstein, Alicante
435 bgs, Alicante
PEATMOSS—500 bls, New Amsterdam Import Co, Bremen
500 bls, National Distributors, Bremen
2,000 bls, C Fafard, Bremen
3,426 bls, Lewis Intern Co, Bremen
3,600 bls, Premier Peatmoss Corp, Bremen
500 bls, E J Lang, Bremen
1,600 bls, J E Bernard, Bremen
1,000 bls, Lion Trading Co, Bremen
1,140 bls, C Gastmeyer, Bremen
250 bls, Gelico Inc, Bremen
PEPPER, BLACK—80 bgs, Virchand Panachand, Cochin
80 bgs, Chemical Bank, Cochin
80 bgs, Bankers Trust Co, Cochin
160 bgs, A G Dunn, Cochin
80 bgs, Chase National Bank, Cochin
73 bgs, Kellys America Ltd, Rotterdam
120 bgs, Internatio Rotterdam, Kuching
35 bgs, A C Israel, Singapore
453 bgs, Rotterdam
80 bgs, R Badenhop Corp, Cochin
2,050 bgs, Cochin
WHITE—164 bgs, Internatio Rotterdam, Pangkal Pinang
31 bgs, Kellys America Ltd, Rotterdam
PERU BALSAM—1 dm, Wessel Duval & Co, Puntarenas
5 dms, Wessel Duval & Co, Corinto
PETITGRAIN OIL—6 dms, Dodge & Olcott, Buenos Aires
9 dms, Lo Curto & Funk, Buenos Aires
1 dm, Antoine Chiris, Port Au Prince
PETROLEUM, CRUDE—178,632 bbls, Esso Standard Oil Co, Cartagena
200,000 bbls, Esso Standard Oil Co, Puerto La Cruz
99,517 bbls, Cities Service Oil Co, Tampico
113,978 bbls, Socony Vacuum Oil Co, Puerto La Cruz
SULFONATES—6 dms, J E Bernard, Havre
PIMENTO—25 bgs, Kellys America Ltd, Liverpool
40 bgs, Kellys America Ltd, Hamburg
38 bgs, Kellys America Ltd, Rotterdam
LEAF OIL—9 dms, Fritzsche Bros, Kingston
1 dm, W J Bush & Co, Kingston
POLLACKLIVER OIL—65 dms, Vitamins Inc, Yokohama
50 dms, Albumina Supply Co, Yokohama
50 dms, Wilbur Ellis Co, Yokohama
50 dms, Consumers Import Co, Yokohama
POLYISOBUTYLENE — 70 dms, Nova Chemical Corp, Rotterdam
POLYVINYL CHLORIDE—3,000 bgs, Venice
POTASSIUM METABISULFITE—100 bbls, Reifenberg Brewers Supplies, Havre
PERSULFATE—50 dms, Lo Curto & Funk, Bremen
SILICATE—5 bgs, Rotterdam
POTATO STARCH—200 bgs, Stein Hall & Co, Rotterdam
PSYLLIUM SEED HUSKS—370 bgs, Irving Trust Co, Bombay
678 bgs, Chase National Bank, Bombay
293 bgs, Brown Bros, Bombay
140 bgs, Guaranty Trust Co, Bombay
PYRITES—258 cks, American Metal Co, Leixoes
QUASSIA CHIPS—380 bgs, S B Penick & Co, Kingston
RED IRON OXIDE—1,305 bgs, Landers Segal Color Co, Malaga
RICE STARCH—80 bgs, American Key Products, Trieste
ROSEWOOD OIL—16 dms, Dodge & Olcott, Belem-Para
24 dms, Givaudan Corp, Belem-Para
SAGE LEAVES—800 bls, Manufacturers Trust Co, Dubrovnik
OIL—1 bbl, Split
SAGO FLOUR—287 bgs, W R Grace & Co, Singapore
SARSAPARILLA ROOT—3 bls, Meer Corp, Kingston
SASSAFRAS OIL—74 dms, Wm H Muller, Amsterdam
SEEDLAC—1,550 bgs, Wm Zinsser & Co, Calcutta
700 bgs, Lind Mayer & Co, Calcutta
150 bgs, Colony Import & Export Corp, Calcutta
250 bgs, Mac Lac Co, Calcutta
80 bgs, Wm Diehl & Co, Calcutta
350 bgs, Gillespie Rogers Pyatt, Calcutta
700 bgs, Ralli Bros, Calcutta
200 bgs, United Shellac Corp, Calcutta
100 bgs, Haeuser Shellac Co, Calcutta
100 bgs, P N Rowe, Calcutta
250 bgs, P N Rowe, Bangkok
750 bgs, Mac Lac Co, Bangkok
376 bls, Mac Lac Co, Bangkok
425 bgs, Gillespie Rogers Pyatt, Bangkok
477 bgs, Ludwig Mueller, Bangkok
200 bgs, First National Boston, Bangkok
250 bgs, East Asiatic Co, Bangkok
250 bgs, Mantrose Corp, Bangkok
990 bgs, Commercial Alcohols Ltd, Bangkok
250 bgs, Brehand & Co, Calcutta
200 bgs, Baruco & Co, Calcutta
1,800 bgs, Mantrose Corp, Calcutta
950 bgs, Calcutta
SELENIUM METAL POWDER—4 cs, Daiichi Bussan Kaisha Ltd, Kobe
SERPENTINA ROOT—100 bgs, Meer Corp, Calcutta
300 bgs, Meer Corp, Colombo
39 bgs, S B Penick & Co, Calcutta
60 bgs, O G Innes Corp, Bangkok
SESAME SEED—209 bgs, Archibald & Kendall, Corinto
334 bgs, W R Grace & Co, Corinto
HULLED—500 bgs, Wm G Scarlett, Corinto
200 bgs, Archibald & Kendall, Corinto
250 bgs, Louis Furth, Corinto
250 bgs, Levy & Levis Co, Corinto
110 bgs, National Bank of Greece & Athens, Piraeus
SHELLAC—1,050 bgs, Mac Lac Co, Calcutta
550 bgs, Mantrose Corp, Calcutta
200 bgs, C H Timm, Calcutta
150 bgs, Colony Import & Export Corp, Calcutta
100 bgs, Haeuser Shellac Co, Calcutta
100 bgs, Schwab Bros, Calcutta
75 bgs, Lo Curto & Funk, Calcutta
250 bgs, Gillespie Rogers Pyatt, Calcutta
100 bgs, Flora Lac Co, Calcutta
985 bgs, Wm Zinsser & Co, Calcutta
64 bgs, F H Paul & Stein Bros, Hamburg
40 bgs, F H Paul & Stein Bros, Rotterdam
SIENNA EARTH—65 cks, Reichard Coulston, Leghorn
SODIUM BICHROMATE—500 bgs, Ferro Metal & Chemical Corp, Durban
SODIUM CHLORITE—100 dms, Lo Curto & Funk, Bremen
CYANIDE—25 dms, Chemical Manufacturing Co, Liverpool
250 dms, Philipp Bros Chemicals, Bremen
IODIDE—10 kgs, Gallard Schlesinger, London
PERBORATE TETRAHYDRATE—600 dms, Chemical Manufacturing Co, Liverpool
STARCH—1,000 bgs, Alltransport Inc, Rotterdam
STREPTOMYCIN—1 cs, T N Stokes & Co, Calcutta
TANNIC ACID—22 dms, American Dyewood Co, Glasgow
TAPIOCA—103 bgs, Madagascar Agencies, Tamatave
112 bgs, Internatio Rotterdam, Tjirebon
FLOUR—660 bgs, American Key Products, Mahajamba
821 bgs, Morningstar Nicol, Mahajamba
TARRAGON—6 bgs, Kellys American Ltd, Hamburg
TARTARIC ACID—60 bbls, Barcelona
THEOPHYLLINE—5 dms, Silvey Shipping Co, London
TRAGACANTH GUM—350 bgs, Khorramshahr
TRICHLORETHYLENE—300 dms, Chemical Manufacturing Co, Liverpool
250 dms, Venice
TUNG OIL—320 tons, Bank of London & S A, Buenos Aires
300 tons, Buenos Aires
TURMERIC—16 bgs, M J Golombeck, Jacmel
22 bbls, Cap Haitien
UREA—2,089 bgs, Nyles Trading Co, Genoa
282 bgs, Terra Chemicals Inc, Rotterdam
VANILLA BEANS—72 cs, Chase National Bank, Antalaha
47 cs, Chemical Bank, Antalaha
75 cs, Tamatave
VETIVER OIL—1 dm, L A Champon & Co, Port Au Prince
WHITING—1,200 bgs, N H Weitzner, Antwerp
400 bgs, C B Chrystal, London
WOOL GREASE—53 dms, National City Bank, Antwerp
92 dms, Rosenthal Bercow, Kobe
110 dms, Gallard Schlesinger, Antwerp
50 dms, Gallard Schlesinger, Liverpool

Baltimore

CASEIN—300 bgs, Tupman Thurlow, Bordeaux
QUEBRACHO EXTRACT—1,314 bgs, Tanimex Corp, Buenos Aires
TAPIOCA FLOUR—3,000 bgs, Stein, Hall & Co, Bangkok

Boston

ARABIC GUM—150 bgs, Brown Bros, Port Sudan
TRICHLOROETHYLENE—5 dms, E Zirgniotti, Genoa

Norfolk

DAMMAR GUM—40 cs, O G Innes Corp, Bangkok
TAPIOCA FLOUR—400 bgs, Bangkok
VALONIA BEARDS—975 bgs, Olson Sales Agency, Izmir

Philadelphia

AMMONIUM CHLORIDE—500 bgs, Manchester
BONEMEAL—285 tons, Ralli Bros, Calcutta
CASTOR OIL—100 tons, Phila National Bank, Recife
CRESYLIC ACID—200 dms, Rotterdam
CUTTLEFISH BONE—150 cs, Bordeaux
FUEL OIL—115,320 bbls, Esso Export Corp, Aruba
GYPSUM—12,558 tons, U S Gypsum Co, Hantsport
MAGNESITE—300 tons, First National Cincinnati, Sibenik
1,814 tons, Split
MOLASSES—560,261 gals, Havana
248,942 gals, Caibarien
NAPHTHALENE—3,333 bgs, Rotterdam
826 bgs, Antwerp
OLIVE OIL—25 dms, Seville
PEATMOSS—2,624 bls, Bremen
PETROLEUM, CRUDE—105,209 bbls, Atlantic Refining Co, Aruba
186,282 bbls, Socony Vacuum Oil Co, Mena al Ahmadi
216,770 bbls, Socony Vacuum Oil Co, Puerto La Cruz
115,348 bbls, The Texas Co, Las Piedras
206,218 bbls, Sinclair Refining Co, Mena Al Ahmadi
176,719 bbls, Gulf Oil Corp, Puerto La Cruz
240,408 bbls, Gulf Oil Corp, Mena Al Ahmadi
QUEBRACHO EXTRACT—1,439 bgs, Buenos Aires
RUTILE SAND—5,962 bgs, Brisbane
ZIRCON SAND—8,947 bgs, Brisbane

San Francisco

AMMONIUM CHLORIDE—1,000 bgs, Chemical Manufacturing Co, Liverpool
600 bgs, C M C Chemicals, Liverpool
ASBESTOS FIBER—1,040 bgs, Keasby & Mattison, Lourenco Marques
1,840 bgs, Keasby & Mattison, Beira
BONE ASH—100 bgs, London
CLAY, BALL—25 tons, Paper Makers Co, Fowey
CHINA—387 tons, Paper Makers Co, Fowey
CLOVE—40 bls, D Hecht & Co, Mombasa
COPRA—500 tons, P X Smith, Jose Panganiban
950 tons, Cargill Inc, Cebu
650 tons, Jolo
500 tons, Medina
CAKE—5,000 bgs, Pacific Vegetable Oil Corp, Cebu
2,000 bgs, Balfour Guthrie, Cebu
1,000 bgs, Manila
EARTH COLORS—180 bgs, Rotterdam
675 bgs, Bremen
FERRIC SULFATE—800 bgs, N Y Hanseatic Corp, Rotterdam
FISHLIVER OIL—200 dms, Interocean Chemical & Mineral Corp, Yokohama
FISHMEAL—50 tons, Wilbur Ellis Co, Ilo
HERRINGMEAL—4,000 bgs, Internatio Rotterdam, Esbjerg
IRON OXIDE—450 bgs, T H Deutz, Rotterdam
MONTAN WAX—100 bgs, Strohmeyer & Arpe, Hamburg
PEATMOSS—750 bls, Lastreto Phillips, Rotterdam
485 bls, H M Newhall & Co, Bremen
PEPPER, BLACK—720 bgs, Yokohama
PETROLEUM, CRUDE—117,572 bbls, Tide Water Associated Oil Co, Mena Al Ahmadi
POPPY SEED—50 bgs, B C Ireland, Rotterdam
SODIUM BICARBONATE—1,394 bgs, C M C Chemicals, Liverpool
CYANIDE—100 dms, C M C Chemicals, Liverpool
SALICYLATE—10 cks, Antwerp
TAPIOCA—63 bgs, H M Newhall & Co, Singapore
UREA, SYNTHETIC—1,500 bgs, C M C Chemicals, Liverpool

Drug Ass'n Hears Nixon

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the Druggist to the Shaving Industry?" by George Estes, sales promotion manager of Gillette Safety Razor Company; "Photography Pays Its Way" by A. C. Viebranz, merchandising manager of the photolamp division of Sylvania Electric Products; and "Just a Customer Named Joe" by Joseph R. Allendorf, assistant general sales manager of Eastman Kodak Company. The title of a talk by Gordon L. Walker, vice-president and director of sales in the United States and in Canada of Parke, Davis & Co., has not yet been announced.

Public Relations Program

O. A. Feldon, public relations consultant of the association, will talk on "The NARD Public Relations Program" during the morning session of October 13. He will be followed by E. Allen Newcomb speaking on "Service—Eight Billion Dollars Worth." Mr. Newcomb is executive secretary of the National Wholesale Druggists' Association. The title of a talk to be given by Rep. Sam Rayburn of Texas later in the morning has not been announced.

The meeting on the afternoon of October 13 will be devoted to the overall theme of "Keep Ahead of the Merchandising Parade by Selling." The addresses scheduled are:—"Where Is the Drug Business." by L. O. Heideman, vice-president in charge of field operations with A. C. Nielsen Company; "Sell or Go Bust" by Arthur H. Motley, president of Parade Publications; "The Future of America—the Pharmacist's Greatest Challenge" by Robert F. Miller, manager of the prescriptionware division of the pharmaceutical and proprietary divisions of Owens-Illinois Glass Company; and "Who Wants a Consumer's Dollar?" by Perry L. Shupert, vice-president of Miles Laboratories.

Commissioner Larrick to Talk

Vice-president Nixon and John J. Toohy, executive vice-president of E. R. Squibb & Sons, a division of Mathieson Chemical Corporation, will speak on the morning of October 14. The titles of their talks have not been announced as yet. Other addresses scheduled for that morning are:—"You Must Win in the Fair Trade Marketplace" by Maurice Mermey, director of the Bureau of Education on Fair Trade; and "Our Joint Responsibilities" by George P. Larrick, Commissioner of Food and Drugs in the Department of Health, Education and Welfare.

Rep. Wright Patman of Texas, co-author of the Robinson-Patman act, will talk on "Problems Facing Independent Business in the Next Congress" on the afternoon of October 14. The election of officers is scheduled for that session, with adjournment of the convention at the end of the session.

Renegotiation Act Extension Approved; Goes to President

The house last week approved and sent to the White House legislation to extend the renegotiation act of 1951 to December 31 of this year. The house action on the measure (H.R. 6287) followed senate approval with amendments, which needed subsequent house clearance before the bill could be routed to the President.

The measure, among other things, raises the minimum amount subject to renegotiation from $250,000 to $500,000 for contracts ending on and after June 30, 1953. It also exempts from renegotiation synthetic rubber contracts with the Reconstruction Finance Corporation and exempts standard commercial articles from renegotiation. The Renegotiation Board under this last provision, cannot base action against such a contract on a determination of "excessive prices" but instead must find "excessive profits" before taking this step.

Bureau of Narcotics Sets Sept. 21 for Opiate Hearing

The Bureau of Narcotics gave notice last week that it intends to classify 4,4-diphenyl-6-dimethylamine-3-hexanone as an opiate with an "addiction-forming or addiction-sustaining liability similar to morphine." The Commissioner of Narcotics will hold an open hearing on the subject September 21 at 10 a.m., EST, at his office in Washington, D. C.

All written data and views pertaining to the subject will be received by the bureau prior to September 21. Persons wishing to testify at the hearings must notify the commissioner's office not later than September 8.

Food, Drug, Cosmetic Act Wording Codification Cleared

Congress last week cleared for the President's signature H.R. 9728, a routine codification bill aimed at bringing the wording of the federal food, drug and cosmetics act into conformity with the United States Code. In the opinion of the experts, who reviewed the measure when it was introduced into the house, the legislation does not change the meaning of the act, but simply follows routine codification practice as has been the case with other federal statutes.

Organic Chemicals

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been competing with 2-ethyl-hexanol in the plasticizer market. The plasticizers themselves have demonstrated a good deal of competition and not too much price stability. Actual quotations of DOP or DIOP have not changed, but shading in the former market caused weakness in DIOP and other plasticizer markets. The uncertainties were reflected to some extent in the markets for the alcohols. Price schedules have not changed and the volume of orders was not too bad.

Isopropyl Acetate — Producers indicated that the market was about the same. Activity was very good, they felt. Sales were steady and production was moving right along. Prices were unchanged and firm at current listings. Production was adequate to take care of the demand.

Isopropyl Alcohol—Even though this market has been given a little lift by the generally firmer tone for ethanol, some sources indicated that they could handle more business than there was. Further, it was added, not too much more business was anticipated as long as any alcohol can be obtained below market quotations.

Methyl Ethyl Ketone—Sales volumes have held up very well. MEK and virtually all other solvents have seen some reductions in demand these past two months due to summer closings. But, many of the shutdowns are over and slight improvements have begun to show for several industrial organics solvents.

Many sources indicated that there was optimism in the trade about future sales. Some sources have definite assurance that September buying will pick up. Although business was expected to be relatively good in the fall, it was felt that a buyer's market will continue for most items, Price schedules for MEK remained firm and unchanged. Adequate supplies were readily available to fulfill current consumption requirements.

Pentaerythritol—No significant changes were noted in this market. Producers said that they were moving a steady volume of material into consuming channels. Orders were frequent enough to move current production. A source added that the market was just about what they had anticipated they would be at this time. There has been some competition in the market with other polyols and a little decrease in demand from synthetic resins has been noted during the vacation periods, but the overall pace was considered satisfactory. Prices were firm at levels established earlier in the year. No revisions were anticipated now.

Propylene Glycol — Price increases which took place recently have not materially affected demand. There was a certain amount of buying before contract schedules go up October 1, but there was no heavy run on, it was said.

Some customers were picking up a little extra glycols. But, most consumers were aware of the fact that these polyols have been selling at an uneconomic level since the last price decrease, it was said. And, they were accepting the fact that prices had to go up again. The source also added that buyers were glad they had the opportunity to get a little low-priced material when they could. Adequate supplies were obtainable to handle all anticipated requirements.

Sucrose—Preliminary figures on distribution for the week ended August 1, 1954, released by the Department of Agriculture indicate sugar distribution by refiners, importers, and domestic beet and mainland cane processors for consumption in the continental United States totaled 154,720 short tons during that week, compared with 173,895 tons the previous week, and 159,906 tons the week ended August 8, a year ago. Estimated distribution between January 1 and August 7 was 4,807,334 tons, against 5,013,790 tons in the corresponding period last year.

Chemical Industry Aid Sought

—Continued from page 3

road surfacing in forward areas of the Theater of Operations. The material must have characteristics which rend it capable of being mixed easily and intimately with soil over a wide range of moisture contents without the use of complicated heavy equipment.

Acrylic Plastic Resurfaces — Acrylic plastics which have been installed for a long time in pilot canopies and the like develop haze and scratches which interfere with vision. A liquid which, when applied by spray or brush, returns the surface to its original state would be of great value.

Method of Floating Sodium Fluorescin—Sodium fluorescin dye is presently used to mark objects or humans in the ocean, seas or lakes. The present dye, being heavier than water, tends to sink unless agitated near water surface.

Among the problems carried over from previous list, but still of active interest to the military, are:—Improved fuels and lubricants for the Arctic climate; a hard plastic material that is compatible with all organic and inorganic explosive materials at all temperatures from minus 65 degrees Fahrenheit to plus 165 degrees Fahrenheit, and under all conditions of relative humidity; a substitute for radium; a substitute for neoprene that will not get brittle at minus 70 degrees Fahrenheit, yet be oil resistant; a substitute for the carbide method for generation for acetylene, and chemicals for melting snow and ice.

Solutions to these problems, or ideas that might lead to solutions, may be submitted to the National Inventors Council where they will be examined and evaluated. These which show promise will, on council recommendation, receive further study from appropriate military groups. Copies of "Technical Problems Affecting National Defense" are available free of charge from the council, Department of Commerce, Office of Technical Services, Washington 25, D. C.

Fertilizer Div. Convenes

—Continued from page 7

and "Liming with Molybdenum" by C. H. Kline.

A second general session has been set for the morning of September 17, with J. D. Romaine presiding. The papers to be heard are:—Fluorine Retentions and Cation Effects from Hydrofluoric Acid Additions to Four Tennessee Soils" by W. H. Macintire and A. J. Sterges; "Fluorides of Potassium and Calcium in Soils" by W. H. Macintire, W. M. Shaw and B. Robinson; "Application of Chemistry to Soils and Plants for Increased Efficiency of Crop Production" by F. App; "EDTA in Crop Production" by J. M. O'Donnell; "Synthetic Amino Acid Chelating Agents and Effects in Agriculture" by E. J. Haertl, F. C. Bersworth and A. E. Martell; "Chelates and Trace Elements in Agriculture" by A. E. Frost, F. C. Bersworth and A. E. Martell; and "Synthetic Amino Acid Chelating Agents in Mineral Nutrition" by M. Rubin and F. C. Bersworth.

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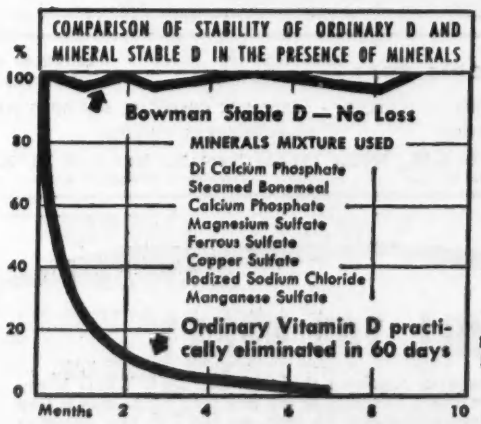

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Essential Oils, Aromatics, Flavorings

Most of the price changes last week were noted to be in an upward direction. Among the oils, bois de rose was advanced 15 cents on spot while lemon grass oil was increased 10 cents. Ocotea cymbarum oil was upped 10 cents per pound, on spot, reflecting the strong market at origin. Bois de rose and ocotea cymbarum, both Brazilian oils, were expected to continue in tight supply for some time. Citronella oil was advanced once again, on spot, with Formosan oil (Java type) 5 cents higher and Ceylon oil, 10 cents per pound. Increased tension in Formosa, resulting from intensified manifestations of Red Chinese intent to invade that island fortress, have had the effect of further strengthening prices there.

Of the two oils reduced, spearmint was the most prominent. The new crop has started to be harvested and it appeared to be as good as last year. Prices have therefore declined, on spot, with the minimum quotations down 35 cents from the preceding week. Wormseed oil was another item affected by the proximity of new crop oil. Prices, on spot, declined 15 cents per pound with some indications of further price declines according to some trade quarters.

In most imported essential oils, the trend of late has been toward rising prices. World tension in producing areas has played a major part in keeping prices at strong levels. Many domestic oils, particularly orange, lemon, and spearmint, however, have shown weakness in recent months as supplies increased ahead of consumer demand.

Price changes among the seeds and spices were also predominantly upward. Ceylon, No. 2 cinnamon was advanced 2 cents per pound while East Indian mace was 1 cent higher. Jamaica pimento continued to rise, on spot, with quotations 2 cents higher. The short crop this year was expected to keep the market firm in the immediate future. Dalmatian sage leaves were stronger, advancing 2 cents per pound, in response to stronger market conditions, at origin. Drought conditions in central Europe were reported to be responsible for a shortened crop, to date. In pepper, several varieties of chillies were higher. Japanese birdseyes were up 4 cents, on spot, while Mombasa chillies was advanced 5 cents per pound and Turkish chillies, 1 cent.

Items to be reduced in this group include French thyme leaves, off 1 cent and bleached A and decorticated, Guatemalan cardamom seed, down 10 cents and 5 cents per pound, respectively.

Price Trends

Advanced

Cardamom seed, selected, bleached, medium, 15c. per lb.
Cinnamon, Ceylon, #2, 2c. per lb.
Mace, Siauw, #1, 1c. per lb.
Oil, bois de rose, 15c. per lb.
Citronella, Java type, 5c. per lb.
Ceylon, 10c. per lb.
Lemongrass, 10c. per lb.
Ocotea cymbarum, 10c. per lb.
Pepper, red, Japanese, birdseyes, 4c. per lb.
Mombasa, 5c. per lb.
Turkish, 1c. per lb.
Pimento, Jamaica, 2c. per lb.
Sage leaves, Dalmatian, 2c. per lb.

Reduced

Cardamom seed, bleached, A, 10c. per lb.
decorticated, Guatemalan, 5c. per lb.
Oil, spearmint, 35c. per lb.
Wormseed, USP, 15c. per lb.
Thyme leaves, French, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
137.93	137.92	137.69	151.31

(*For Current Prices see page 9*)

Essential Oils

Amyris—The spot market was quiet last week, as far as could be determined. Prices ranged from $1.40 to $1.85 per pound and supplies were ample for consumer requirements.

Anise—With China the sole source of raw material for this oil, stocks of genuine Chinese star anise have virtually dwindled down to nothing. There was reported to be a very small quantity of the geniune oil held here. The governmental restrictions prohibiting the importation of this oil or its raw material have been in effect almost two years, according to trade sources, and consumers have been forced to turn increasingly to substitute flavoring materials.

Bois de Rose—The spot market continued very firm in view of the strong position held at origin. Quotations advanced 15c. per pound last week with prospects of further increases, it was said. The current market price was $4.25 to $5 per pound.

Citronella—Spot prices advanced further last week as the supply situation continued tight. Currently Java type (Formosan) citronella oil was 5c. higher at $1.05 to $1.40 per pound while Ceylon oil was up 10c. and priced at 90c. to $1.30. The growing tension on Formosa as the threat of invasion by Red China mounts was credited with further strengthening the market price tone, some sources noted.

Over the past six or seven months, the price for Ceylon oil has advanced at least 50 percent or better, trade sources averred. Like many essential oils, the price for this product probably got below the cost of production late last year and then the usual reaction set in. However, more than half of this advance has occurred since the middle of April, the reason being extremely bad weather in the growing areas. Production has been at a standstill and shippers have been forced to bid up the market in order to get available supplies to fulfill contract commitments.

As in the case of the Ceylon oil, the market for Java type oil has advanced about 50 percent since the first of the year, if not more. Here the advance has been steadier and due to short supply. From the bumper crops of 1949/1950, production in Formosa has steadily declined so that is has now reached a point where it is probably not sufficient to cover world requirements. From a high point of 4,000 tons during 1950, the production on the island of Formosa is estimated to total about 1,600 tons this year. The island of Java, which prior to 1950 was the largest producing area in the world, will probably produce only 600 to 800 tons this coming year. While this will be the best production figure since the end of the war, it will probably take many years to achieve a total of 2,000 tons, the pre-war production in Java. Supplies from Guatemala, which had been the mainstay for American aromatic chemical manufacturers during the war years are expected to be virtually nil for the balance of this year.

Lemongrass—Demand for this oil was reportedly increasing. Recent strengthening in the market at primary sources was reflected in a 10c. advance, on spot. Prices currently ranged from $1.50 to $2 per pound. Offerings from origin were said to be fewer and more high priced.

Ocotea Cymbarum—The market remained very firm. Spot quotations advanced 10c. per pound and were offered at $1.10 to $1.50 per pound. The outlook for the immediate future was for a continued short supply of this oil although the possibility of lower prices was suggested by some trade quarters, if a currency revaluation takes place.

Orange—Spot quotations held unchanged last week. Florida oil was pegged at 55c. to $1.25 per pound, the wide price variation being indicative of the large number of various qualities offered in the market. California orange oil was priced at 60c. to $1.25 per pound. Supplies were adequate to meet consumer requirements and demand was fair, on the whole.

Peppermint—The spot market maintained a steady level. There were no definite indications of the new crop size but all reports seemed to indicate the continuance of a strong market, pricewise. Total production last year was about 10 percent below the 1952 yield, and the crop now about to come on the market should total about the same as 1953 assuming a normal yield.

Imports Detained by FDA

Week Ended August 13

New York

Cassia (5 lots), 412 bales: filthy.
Coriander seed (2 lots), 400 bags: filthy.
Cumin seed, 270 bags: filthy.
Gum karaya (3 lots), 271 bags: filthy.
Juniper berries, 64 bags: filthy.
Mace (3 lots), 29 cases: filthy.
Nutmegs (2 lots), 337 bags: filthy.
Black pepper (4 lots), 250 bags: moldy and insect bored.
Rauwolfia serpentina, 280 bags: moldy and not R. serpentina.
Sesame seed, 329 bags: filthy.
Turmeric, 37 bags: filthy.

For Late Market Developments, See Page 4

Government reports indicate an acreage slightly less than a year ago, but it is probable that enough new plantings have been made to offset older poor yielding acreage. Output will depend entirely upon the yield of oil at the time of distillation. Poor weather, or good weather, just prior to distillation can vary the production as much as 30 percent, and this will be the controlling factor. Last year's production was just about sufficient to supply this year's consumers, and if the new crop output totals about the same as a year ago, the price should continue very steady and firm, it was said.

Petitgrain—The spot market continued very strong in view of the strength at origin. The current market ranged from $3.70 to $4.40 per pound with very little material available at the minimum price.

Spearmint—Spot prices dropped further last week with surprising rapidity. The overall decline for the week totaled 35c and it appeared likely that the market might continue its downward trend this week. The current price on this item was $4 to $5 per pound, depending upon quality and supplier. Supply was expected to be maintained at ample levels.

Production last year increased 50 percent over 1952 output, and acreage this year has again been increased. If the extraordinary yield of last year is maintained this season, there will be a heavy overproduction. However, it is more likely a normal yield per acre will be experienced. In any case there should be an ample supply of oil.

Wormseed—Spot prices dropped 15c. per pound last week in anticipation of new crop material soon to be produced. The current level ranged from $6.60 to $8 per pound.

Miscellaneous

Cardamom Seed—The spot market displayed some price activity last week in the first price changes in some time. Selected, bleached A cardamom seed was reduced 10c. per pound and was quoted at $3.85 per pound, for spot sale. Medium quality was up 15c. and was quoted at $3.85 also. Decorticated, Guatemalan cardamom was off 5c., being priced at $1.75, on spot.

Cinnamon—Ceylon cinnamon No. 2 was 2c. higher last week. Prices ranged from 50c. to 51c., for spot sale. "0000" grade was steady at 60c. to 61c.

Mace—Siauw No. 1 quality was advanced 1c. per pound last week and was quoted at $1.30 per pound. West Indian mace was stronger at $1.29 per pound.

Mustard Seed—There was little activity noted in this item last week, following the trend of several months. Danish mustard seed was quoted at 11c. per pound, for spot sale as was the Dutch seed. English yellow quality was steady at 12½c. per pound while Montana, oriental and yellow qualities were priced at 9c. and 11½c., respectively.

Pepper—Spot prices were advanced on some grades of chillies last week. Japanese birdseyes were 4c. higher for new crop chillies, being quoted at 60c. per pound. Mombasa chillies was up 5c. per pound and was quoted at 68c., on spot. Turkish chillies was 1c. higher, currently being offered at 26c., for spot sale.

Pimento—Jamaican pimento continued its advance last week as spot stocks dwindled further. The short crop in Jamaica was expected to keep prices on the spice at a high level in weeks to come, it was said. The current price on spot was 94c. per pound, an increase of 2c. over the preceding week's close. Mexican pimento continued nominal with no offers of new crop material reported, to date.

Sage—Trade reports from abroad indicate that the market in sage leaves was strengthening. Dalmatian sage prices, on spot, advanced 2c. last week, bringing the price at the week's close to 35c. There were no changes in spot quotations on either Cretan or Italian qualities. The former was quoted at 11½c. and the latter, at 14c. Most of the current consumer interest was said to be for Dalmatian quality, hence the failure of the other types to move, pricewise.

Thyme Leaves—A slight weakness in French thyme became evident last week as spot quotations eased 1c. per pound. The decline was thought to reflect an effort to stimulate consumer interest rather than indicative of any basic weakness in the market at source. The spot price at the close last week was 19c. Spanish thyme held unchanged at 10c.

Malaya's Exports of Copra, Coconut Oil Show Increase

Malaya's exports of 23,127 long tons of copra and 19,370 tons of coconut oil during January-March of this year were substantially larger than the respective exports in the first three months of 1953, reports Jack R. Johnstone, agricultural economic officer, Singapore. Although imports of both copra and coconut oil in the same period were double 1953 receipts, net exports on a copra equivalent basis amounted to 19,282 tons, or an increase of more than one-third. In 1953, total net eports, copra equivalent, were 86,722 tons.

Cosmetic Chemists of Chicago to Meet On September 7 to Hear Dr. Flesch

Dr. Peter Flesch, professor of dermatology at the University of Pennsylvania, will be the guest speaker at the September 7 meeting of the Chicago chapter of the Society of Cosmetic Chemists. Dr. Flesch will speak on "Laboratory Methods for Studying the Chemical Affects of Topical Agents Upon the Skin." Dinner will be served at 6:30 p.m. in Henrici's restaurant in the Merchandise Mart.

Trade Briefs

George H. McGlynn, vice-president and treasurer of Magnus, Mabee & Reynard, Inc., is in Europe on a business trip.

Jacques d'Aigremont, executive vice-president of Roure-Dupont, Inc., New York, is touring Europe.

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N.Y. Paint Production Club, ACS Unit to Meet Sept. 15

"Color—How the Eye Sees It and Instruments Measure It" will be the subject of a talk to be presented before the joint meeting of the New York Paint and Varnish Production Club and the division of paint, plastics and printing ink chemistry of the American Chemical Society September 15. The first regular meeting of the Fall season for the paint club has been changed from the usual first Thursday to the third Wednesday because of the joint meeting. Dinner will be served at 6:30 p.m. at the Brass Rail restaurant, 100 Park avenue, New York.

Dr. Eugene Allen, of the American Cyanamid Company, will present the talk on color. Dr. Allen has worked for American Cyanamid since 1945 and in his present position is concerned with research on color and its measurements.

Glidden Reports Retirement Of Vice-President Peters

Glidden Company, Cleveland, Ohio, has announced the retirement of John A. Peters, former vice-president and treasurer of the company. Mr. Peters served the company for more than thirty-three years. He began his business career with Glidden as an accountant in 1920, and nine years later was promoted to assistant treasurer. He was appointed treasurer in 1938.

In 1944, Mr. Peters was elected a director of the company and in 1951 was elected to the position of vice-president and treasurer. Last year, Mr. Peters resigned from his executive positions but remained in the capacity of financial advisor and consultant.

Tall Oil Use Increase Predicted by Herrlinger

A prediction of continuing rapid expansion of industrial usage of tall oil was made at Lehigh University, Bethelhem, Pa., last week by Richard Herrlinger, of American Cyanamid Company's Stamford, Conn. research laboratories as he appeared before participants in the American Oil Chemists' Society short course on inedible fats and fatty acids.

Explaining that tall oil production has increased rapidly from 50,000 tons in 1943 to 175,000 tons in 1953, Mr. Herrlinger said, "Processing methods have been developed which allow not only the production of products of higher purity, but also the substantially complete separation of tall oil into rosin and fatty acids. Fatty acids substantially free from rosin acids and rosin substantially free from fatty acids are now being produced. With continued growth of the industry, and future advances in tall oil technology, products of even greater refinement and wider utility may be expected in the not too distant future."

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Protective Coatings Materials

The prime pigments market remained about the same over the week, with continued evidence of a slow recovery in consuming interest following the midsummer slowdown. There were no indications of change in the overall price structure. Demand for carbon blacks was said to be suffering from shutdowns due to labor troubles in various consuming rubber plants. Titanium dioxide moved well to consumers last week, and producers reported ample supplies available to take care of current needs.

Business in alkyd resins appeared spotty last week, with the general market picture unchanged. Keen competition was the keynote of trade, while consumption was seasonally slow. Plasticizers, notably dibutyl, di-iso-octyl, and dioctyl phthalates, continued on the shaky side last week, as sales sought their own levels in many instances. It was reported that some twenty-eight producers were now making DOP, with the result that the market was highly competitive in the face of seasonally slack buying interest.

Among natural resins, copal and dammar gums were unchanged in price on spot in this country. Lack of demand here was counterbalanced by firmness at primary markets abroad. The Calcutta shellac market showed strength early in the week, but tapered off by midweek. Prices for bleached grades in this country were firm and unchanged. The market for orange grades continued entirely nominal, with all types quotably unaltered.

Fillers and inerts were quiet, with some revival in buying noted. Argentine casein continued firm on spot and for shipment, with offerings closely held in Argentina. Offers from Europe were negligible. A price increase for 125-1,000 centipoise chlorinated rubber was effected. Supplies of that material were reported in close balance with demand.

Price Trends

Advanced

Chlorinated rubber, 125-1,000 cps., 5c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
96.62	96.61	96.61	90.22

(For Current Prices see page 9)

Prime Pigments

Aluminum Paste, Powder—Prices continued unchanged last week, although an increase in metal was made recently. Producers were still not certain concerning future price status.

Carbon Black—Rubber industry inquiry was said to have been adversely affected by shutdowns due to labor troubles in several large consuming plants. Demand for pigment channel blacks continued fairly good, with purchases made chiefly for prompt shipment to cover immediate requirements. Prices held steady and without change.

Chrome Colors—The market picture was without much change over the week. Business was said to be picking up following midsummer consumer shutdowns. Prices were stable and unchanged.

Lead Pigments—Pig lead ruled quiet throughout the week, and its position was reflected in stable prices for red leads, litharge, orange mineral, and monosilicate. White leads moved slowly to the paint trade, with some slight pickup in sales noted. The battery industry continued to call for oxides in moderately good volume.

Synthetic Iron Oxides — Trade was slightly more active, as consumers tended to return to the market after vacation shutdowns. All types were quotably unchanged. Supplies and production were in good shape to cope with existing inquiry.

Titanium Dioxide—Demand was said to have been quite satisfactory over the week. An improvement was noted in August sales, compared to those for July. Prices were stable. Stocks were adequate to meet buying needs.

Zinc Pigments—Oxides moved slowly to consumers, but it was believed that business had shown a slight pickup over the week. Prices were unchanged and steady. Zinc dust was also unchanged, reflecting the current quiet state of the slab zinc market.

Synthetic Resins

Alkyds—Business continued about unchanged over the week. Consuming demand was slow to good, depending upon the individual producer. Consensus was that industrial demand had not been too good, largely due to the fall-off in automotive industry consumption during the extended retooling period.

Ester Gums—Gum-rosin type continued unchanged at 15½c. per pound, drums, carlots, delivered East. Wood-rosin type was also unchanged at 15c. per pound, same basis. Demand continued slow and spotty.

Maleics — Industrial consumption was seasonally off. Generally the market was quiet and unchanged. Supplies were plentiful.

Pentaerythritols — Trade in all types was featureless last week, as consumers preferred to work out of low inventories. Price structure was stable, with supplies plentiful.

Phenolics—There was little doing in the market over the week. Producers expected business to pick up substantially in the fall. There were no indications of price changes.

Urea-Formaldehydes—Consumption was described as only fair, with the plywood industry calling for moderately sized quantities for lamination. Furniture production was seasonally slow, although a pickup in manufacture was anticipated for fall buying. Prices were regarded as stable.

Lacquer Materials

Dibutyl Phthalate—Consuming demand remained sluggish last week. It appeared to most producers that consumers preferred to work from low inventories rather than buy ahead in the face of a shaky market structure. List prices continued unchanged at 30c. per pound, tankcars, delivered; 32c. per pound, drums, carlots, same basis, and 33c. per pound, less carlots, same basis. Reports of shading continued to give a weak tone to the market.

Di-iso-octyl Phthalate—Prices continued without change, at 32c. per pound, tankcars, delivered, 34c. per pound, drums, carlots, same basis, and 35c. per pound, less carlots, same basis. Due to keen competition among makers, as well as general lack of consuming demand during the summer months, sales appeared to seek their own levels. Producers were at a loss to predict the future price structure. Some felt that prices were due for a drop, while others were of the opinion that increased firmness in raw materials could have a strengthening influence on the market in the near future.

Dioctyl Phthalate—Trade was affected by slow demand, combined with a keenly competitive situation arising due to the large number of manufacturers. Although listings continued at 32c. per pound, tankcars, delivered, 34c. per pound, drums, carlots, same basis, and 35c. per pound, less carlots, same basis, there were reports of sales made at a wide range of lower quotations.

Tricresyl Phosphate—Prices were unchanged for both petroleum and coaltar types. Demand for use in gasoline and lubricating oil additives continued moderately well sustained. Call for plasticizing material was seasonally slow.

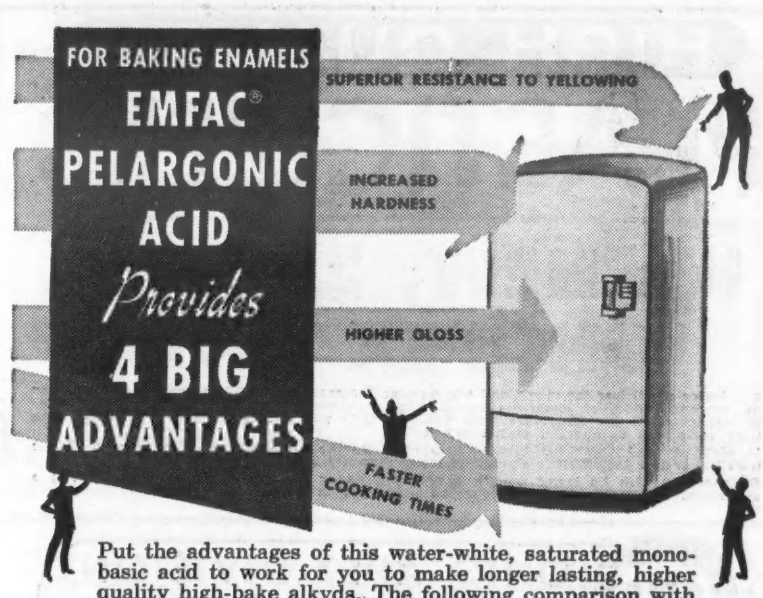
Natural Resins

Copal Gum—Primary markets remained firm, counteracting weak and spotty demand here. As a result, prices were judged steady. Some improvement in buying inquiry was noted on spot, but it was thought that a more tangible increase in consumption would occur in the fall.

Dammar Gum — Supplies of all types were adequate to meet current needs. Producing markets remained firm, although demand in this country was spotty, with consumers ordering chiefly for prompt shipment to cover actual needs.

Shellac—The Calcutta market opened the week strong, but showed indications of a slight easing by midweek. Spot prices in this country were firm and unchanged. Bleached bonedry shellac in bags, 1,500-pound lots, was priced at 56c. per pound, with refined 10c. per pound higher. Orange grades continued scarce and nominal at 52c. per pound for lemon No. 1, bags, 10-bag lots; lemon No. 2, 50c. per pound, same basis, superfine, 48c. per pound,

For Late Market Developments, See Page 4



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Viscosity (Gardner-Holdt)	Z-3	I-J	H	E-F
Color (Gardner 1933)	1	1	1+	3
Film Properties				
Sward Hardness—100% alkyd	18	6	4	2
80% alkyd—20% melamine	34	21	19	16
Gloss (60° Glossmeter)	95	93	91	89
% increase in yellowing	71	78	91	100

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same basis, and TN, 47c. per pound, same basis.

Fillers and Inerts

Asbestos—Prices for domestic and imported grades were unchanged last week, with demand seasonally slow. Supplies were judged to be more than ample for current consumption. Business was expected to take an upward swing in the fall.

Silica—One supplier said that demand had held up quite well during the summer, particularly due to the large quantities being used in various automotive and other polishes. Prices held steady and without change.

Miscellaneous Materials

Asphalt—The Bureau of Census reports that 6,481,282 sales squares of asphalt roofing were shipped in June, as compared with 5,373,620 squares shipped in May, and 5,276,225 squares shipped in June, 1953. At the same time, it was stated that 151,490 sales squares of asphalt siding were shipped in June, compared with 113,817 squares in May, and 5,276,225 squares for June, 1953. Saturated and coated sheathings for June totaled 873 tons, as compared with 840 tons for May and 851 tons for June, 1953. Roofing shipments in June were shown to be up 23 percent over June, 1953, while siding shipments were up 49 percent over the corresponding period last year.

Casein—Spot prices were firmer here, at 25c. to 27c. per pound, duty paid. Future shipment was priced at 25½c. per pound, the higher price for shipment indicating that a sizable quantity of material remained in the hands of resellers. Meanwhile, IAPI held strictly to its floor price in the Argentine, with stocks there closely held. European offers were very limited. New Zealand prices held at the same level. Domestic standard casein was also about unchanged, with producers offering only limited amounts.

Consuming demand in this country was spotty, and limited to small-lot prompt shipments to cover immediate needs. One theory for lack of demand was that consumer inventories were lengthier than had been originally estimated due to the use of substitutes to extend stocks.

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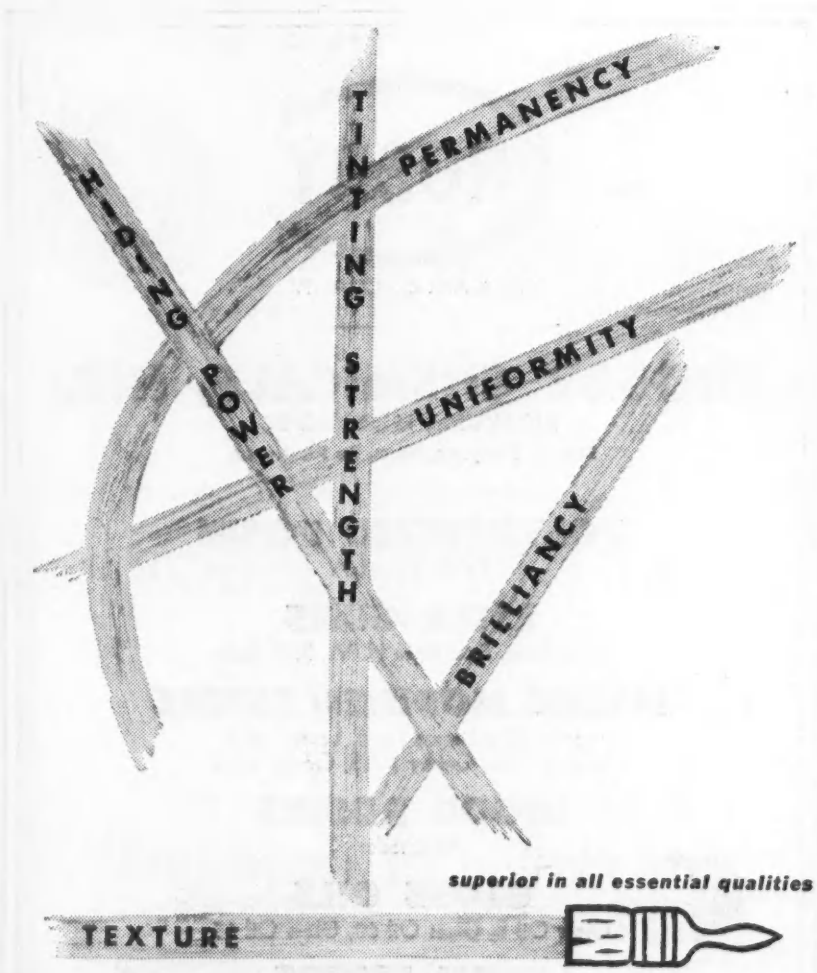

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ported raw material were higher, but treated liquid continued unchanged at 22c. per pound, drums, carlots, f.o.b. plant; ton lots, same basis, 23c. per pound, and drum lots, same basis, 25c. per pound. Cashew-type bisphenol was under process of research and development.

Chlorinated Paraffin — Demand continued quiet and spotty over the week. Prices were steady. Supplies were adequate to meet all current inquiry. There was some indication of recovery by the paint trade, which took slightly large amounts for fire-retardant paints and similar applications.

Chlorinated Rubber — Prices for 125-1,000 centipoise material were increased 5c. per pound. New listings were 65c. per pound, cartons, carlots, works, and 66c. per pound, less carlots, same basis. Material of 5, 10, and 20 centipoise specification continued unchanged and steady at 55c. per pound, cartons, carlots, works, and 56c. per pound, same basis. Demand was in close balance with present supply.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
Drums—					
I	...	...	...	$7.59	...
K	...	...	$7.60	...	$7.58
M	...	$7.60	7.57	...	7.58
N	$7.65	7.60	7.57	...	7.75
WG	...	...	7.60	7.60	7.67
WW	...	7.75	7.82	...	7.85
Bags—					
G	7.40	...	...	...	...
K	7.40	...	7.45	...	...
N	...	...	...	7.40	...
WG	7.65	7.55	...	...	...
WW	...	...	...	...	7.90

Tankcars (for week ended August 13)—
WG $7.32, K or better $7.09§, 3,652*
Sales, USDA
450* 247* 835* 576* 1,137*

New York
(per 100 lbs., c.l., Friday)
WW $8.80, WG $8.65, N $8.60, B through M $8.55

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.50	.503§	.503§	.504§	.5075
Sales	6,000¶†	14,000¶†	76,000¶†	16,000¶†	16,000¶†

New York, Friday, per gal. 7 lbs., tankcars, 61c., l.c.l. 73c.

*Drums equivalent. †Tankcars. ¶Gallons. §Average price.

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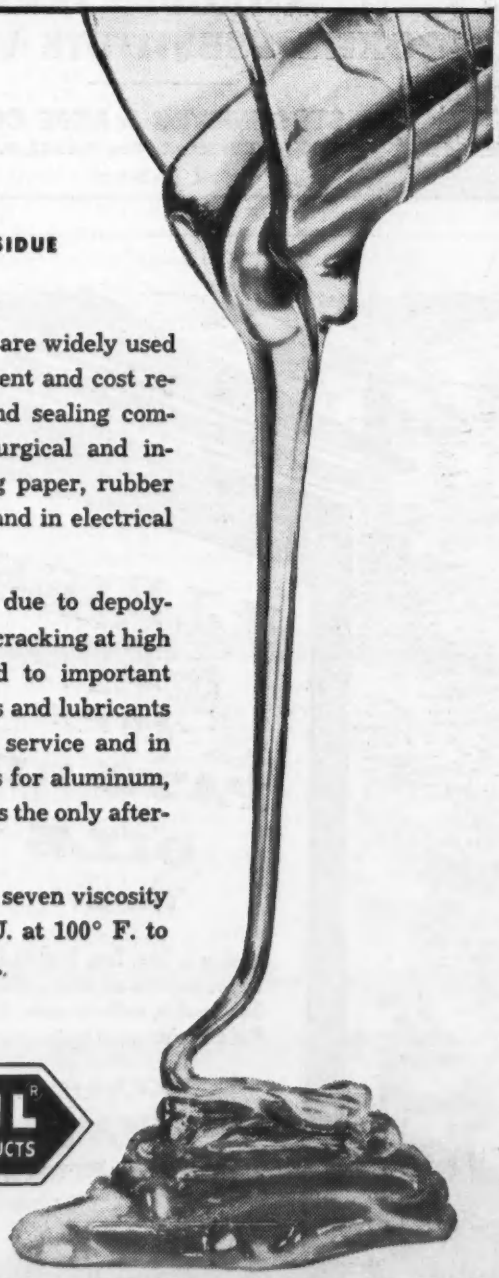

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Oils, Fats and Waxes

Strength of soybeans and oil was reflected in other edible oils, resulting in fractional advances for corn, cottonseed, peanut as well as soybean. Supplies of peanut oil were especially tight and asking prices were lifted sharply. Trading was quite active in soybean and cottonseed oils for nearby delivery and increased buying interest was noted for other edible oils. Lard was firmer and higher.

Tallow and greases were stronger, advancing fractionally due to improved domestic demand. Export business was light. Offerings were well held.

Despite the higher cost of tallow, keener competition weakened stearic and hydrogenated tallow fatty acids. The former dropped ½ cent per pound, while low grade hydrogenated tallow declined sharply. Oleic and vegetable fatty acids were quotably unchanged and steady.

Crude coconut oil was inactive and slightly lower. Copra was quiet and easy.

Linseed oil was steady and unchanged for nearby delivery, while new crop oil could have been shaded on firm bids. Light trading was reported in tung oil at concessions for prompt delivery. Oticica also was easier and fractionally lower.

Soybean meal reacted higher with soybeans, advancing $4 per ton. Cottonseed meal dropped $1 per ton for September delivery. Linseed meal continued inactive and nominal.

Carnauba wax was unsettled by the announcement of the new Brazilian exchange regulations designed to promote export sales of Brazilian products. This unsettled the local market and most grades were reduced 2 cents per pound, by some sellers, while most traders withdrew offerings, preferring to await later developments. Refined ouricury also were reduced 2 cents per pound on spot in some quarters. Japan wax was stronger, with the higher cost of replacements and spot stocks were advanced 2 cents per pound.

Vegetable Oils

Castor—Business was quiet. All grades were unchanged and fairly steady. No 1 Brazilian was maintained at 15⅞c. to 16c. per pound, tankcars, New York, prompt delivery.

Coconut—Trading was inactive with crude slightly lower at 12⅜c. per pound, tankcars, f.o.b. Pacific coast August delivery and 12⅛c. per pound, September forward. At New York tankcars were held at 13½c. per pound, for August and 13¼c., September.

Corn—Market was firmer and fractionally higher. Sales of crude were reported at 14¾c. per pound, tankcars, New York delivery. Refined oil was higher at 13c. per pound, tankcars, New York delivery.

Cottonseed—The feature of the market was the strength of old crop crude oil due to limited supplies. Trading was quite active for nearby delivery for refiners account. This further reduced offers and resulted in the market advancing about ⅜c. per pound. Bids for nearby were raised to 14½c. per pound, tankcars, f.o.b. mills, in the southeast, and Valley and 14½c. in Texas for nearby oil. First half September was quoted at ¼c. less. Inquiry for refined oil for nearby also was more active, with reported sales of fair volume. Tankcars were higher at 18¼c. per pound, New York, prompt delivery.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended August 20 follow:—

	Sales	Cents per pound High	Low	Close
September	39	16.25	16.00	16.15@16.25
October	18	15.50	15.29	15.42@15.48
December	14	15.06	15.00	15.11@15.20
1955				
March	11	15.15	15.10	15.12@15.20
May	11	15.15	15.12	15.12@15.25

Total sales, 93 contracts.

Memphis.—Crude cottonseed oil quoted at 14½c. per pound, tankcars, f.o.b. mills, Valley. Crude soybean oil 14¾c., tankcars, Decatur. Cottonseed meal, $70 per ton, sacked, Memphis. Hulls, $13 per ton, bulk, Mississippi points.

Trading in bleachable cotton oil futures continued light, the market held steady, reflecting the firmness of crude oil and allied markets. Fluctuations were narrow, with the market closing slightly higher.

The Department of Agriculture con-

templated contracting for the processing and packaging of about 4,000,000 pounds of hydrogenating cottonseed oil (shortening type) to be packed in 3-pound cans. Bids must be received not later than 5 P.M. (EDT) August 23 and will be subject to acceptance in whole or in part by telegram filed not later than midnight (EST) August 25. Delivery in approximate equal weekly quantities during September, October and November.

Linseed—Trading for prompt delivery continued slow, while some business was reported in new crop oil at concessions early in the week, but later low offers were withdrawn. Raw oil was quoted at 16c. per pound, tankcars, f.o.b. Minneapolis, August-September delivery; 13c., October and 12½c., November-December. Demand for oil against contracts, however, continued active.

Minneapolis.—Although some late-fall linseed oil business was accomplished the past week, bookings generally remained light, area crushers reported. Sales were said to have been made at about 1c. a pound under official quotations. The pricing schedule held steady, with oil for August-September at 16c. a pound, raw, tankcars, f.o.b., Minneapolis; October, 13c., November forward, 12.5c.—with probability that 12c. could be worked.

Shipments of linseed oil, in pounds, were as follows:—

	1953-54	1952-53
Past week	7,860,000	8,100,000
Since Sept. 1	315,180,000	338,850,000

Flaxseed—Offerings of spot seed were light. Prices remained steady.

Minneapolis.—No. 1 cash flaxseed sold in a spread of $3.35 to $3.45 a bushel, delivered Minneapolis price, the past week. Spot offers remained thin but bookings "to-arrive" were heavy. Only about 8 spot cars were in for sale. To-arrive bookings amounted to nearly 200 cars and 17,000 bushels in varied-sized lots from store and from country points. Receipts of flaxseed for all accounts totaled 567 cars, compared with 472 cars the previous week and 145 cars in the like week last year. Shipments from Minneapolis totaled 344 cars as against 274 cars the previous week and 51 cars last year. Harvesting of the upper midwest flaxseed crop made good progress the past week, trade reports said. In Minnesota, about one-third of the flax was cut, swathed or combined, ranging from three-fourths done in southwestern Minnesota to less than one-tenth cut in the northwestern area. Generally, the harvest was ahead of that a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1953-54	Receipts 1952-53	Shipments 1953-54	Shipments 1952-53
Past week	262,250	252,250	602,000	73,500
Since Sept. 1	27,356,650	17,001,200	6,373,050	3,330,600

Oiticica — Buying interest continued slow. Prices were lower and nominal. Tankcars were quoted at 16¾c. per pound, tankcars, New York, prompt delivery. Drums were unchanged at 18¼c. to 18¾c. per pound, as to quantity.

Olive—While demand continued spotty, the market remained steady. Prices were unchanged at $2.15 to $2.25 per gallon, drums, duty paid, depending upon quality and quantity.

Palm Kernel—Trading was slow. Denatured oil was quoted nominally at 12¾c. per pound, tankcars, New York, prompt delivery.

Peanut—Scarcity of offerings stiffened this market and sales were made up to 18⅛c. per pound, tankcars, f.o.b. mills. Refined oil was higher at 22c. to 22¼c. per pound, tankcars, New York delivery. The government sold peanuts last week to produce about 14 tankcars of oil.

Rapeseed—Market was quiet and quota-

For Late Market Developments, See Page 4

Price Trends

Advanced

Cocoa butter, 10c. per lb.
Greases, ½c. to ¼c. per lb.
Lard, 1½c. per lb.
Oil, corn, crude, ¼c. per lb.
refd., ¼c. per lb.
Cottonseed, crude, ⅝c. per lb.
refd., ¼c. per lb.
Menhaden, crude, ¼c. per lb.
Peanut, crude, ⅞c. per lb.
refd., 1c. per lb.
Safflower, 6/10c. per lb.
Soybean, crude, ⅝c. per lb.
refd., ⅝c. per lb.
Soybean meal, $4 per ton.
Tallow, ¼c. per lb.
Wax, Japan, 2c. per lb.

Reduced

Acid, stearic, ½c. per lb.
Tallow, hydrog., ⅝c. to 2½c. per lb.
Copra, $2.50 per ton.
Cottonseed meal, $1 per ton.
Oil, coconut, crude, ½c. per lb.
Oiticica, ¼c. per lb.
Tung, ¼c. per lb.
Wax, carnauba, Ceara, crude, No. 3, 2c. per lb.
refd., 2c. per lb.
Yellow, No. 1, 2c. per lb.
Ouricury, 2c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 21, 1953
111.20	109.95	111.56	90.67

(*For Current Prices see page* 9)

bly unchanged. Refined oil was held at 17c. per pound, tankcars, New York prompt delivery.

Safflower—Smaller production created a stronger tone and sales were reported up to 17.6c. per pound, tankcars, delivered Atlantic coast.

Soybean — Crude was stronger with beans and sold up to 15c. per pound, tankcars, Decatur, for nearby, the highest price paid thus far this year. Crude was sold at 15c. per pound tankcars, Decatur August; 14⅝c., first half September; 13⅞c. straight September and 11¾c. asked, October-December. Refined oil was higher at 17¾c. per pound, tankcars, New York basis.

Sales and prices of crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended August 20 follow:—

	Sales	Cents per pound—High	Low	Close
September	103	13.96	13.50	13.94@13.95
October	42	12.40	12.02	12.34@12.35
December	33	11.50	11.35	11.39S
1955				
March	21	11.45	11.38	11.38@11.40
May	22	11.54	11.38	11.40@11.45

Total sales, 221 contracts.

Tung—This market was easier and fractionally lower. Tankcars were available at 22c. per pound, New York, prompt delivery, with business reported at slightly less on firm bids. Drums were lower at 23½c. to 24c. per pound, according to quantity. Arrivals totaled 620 tons at New York from the Argentine against former contracts.

Miscellaneous

Castor Beans—Trading was slow. Market was unchanged and nominal at $102 to $105 per ton, f.o.b. Brazilian ports.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds—Beans	Oil
Last week	3,365,950	1,470,000
Previous week	3,113,700	418,000
Corresponding week, 1953	2,113,500	420,000
Total this year	70,559,200	22,248,000
Corresponding period, 1953	69,964,600	87,867,900

Cocoa Butter—Market lower due sharp break in cocoa for shipment. Spot stocks quoted nominally $1.05 per pound.

Copra—Market was dull and nominal at $162.50 per ton, c.i.f. Pacific coast, prompt shipment.

Fats and Greases

Greases—Market was firmer, with tallow and prices were fractionally higher. Demand for domestic delivery was moderate, while export business was light and spotty. Choice white, not all hog was sold at 7¼c. per pound, tankcars, delivered, and 7½c. asked; house, 5⅜c.; brown, 4⅜c. and yellow, 5⅝c., same basis.

Lard—Market was firmer, advancing fractionally. Cash lard was quoted at 18c. per pound, drums, Chicago.

Oleo Oil—Business was reported slow. Prices were irregular and nominal. Extra was quoted at 18¼c. to 18½c. per pound, drums. Oleo stearine also was quiet, but steady at 10½c. to 10¾c. per pound, barrels, as to quantity.

Tallow—Increased trading stiffened the market and all grades were lifted ¼c. per pound. Soapers purchased moderate lots at the higher levels. Offerings were light and well held. Export sales were light. Fancy bleachable was quoted at 6¾c. per pound, tankcars, delivered; extra, 6½c.; special, 6¼c. and No. 1, 5⅝c. Edible was unchanged at 9¾c., same basis.

Fish Oils

Refined Fish—Refined grades were firm, reflecting the higher cost of crude. Light pressed was maintained at 10½c. per pound, tankcars, New York delivery. Crude menhaden oil was higher with export sales made up to 7½c. per pound, f.o.b. ship Gulf ports, with bids at ¼c. less. On the Atlantic coast, tankcars were advanced to 7c. per pound, f.o.b. plant, with bids of 6½c.

Production of crude menhaden oil in June amounted to 3,328,770 gallons, bringing the total for the first six months of the year to 4,719,900 gallons, compared with 3,910,460 gallons during the same period last year.

Los Angeles.—One car of crude tuna oil traded at 5½c. per pound, f.o.b. Los Angeles, with additional offerings at 5¾c., same basis. Menhaden oil remained steady at 7c. per pound, East Coast, 7½ Gulf ports. Agreement was reached at San Francisco between sardine canners and fisherman at $55 per ton as compared to $70 per ton for the season last year. Price negotiations have not been settled in the Monterey Bay area or are there any indications of fish off that Coast.

Fatty Acids

Quiet demand and increased offers weakened stearic acid and prices de[illegible]d ½c. per pound. Hydrogenated fatty acid also was easier, dropp[illegible] ¾c. to 2½c. per pound, depend[illegible] quality. Oleic acid was uncha[illegible] steady, due light supplies. C[illegible] fatty acid was advanced fractionally in one-quarter bringing prices in line with other producers. Other vegetable acids were maintained at prevailing quotations.

Cake and Meal

Cottonseed Meal—New crop meal trading was moderate for forty-one percent at $70 per ton sacked f.o.b. South Georgia and South Alabama mills, August shipment. Most of the mills will not be in operation until early September. Buyers are still operating on a hand-to-mouth basis. September forward was quoted at $70 per ton sacked f.o.b. Mississippi Valley. $69 Georgia Alabama and $72 South Carolina points. The heavy seed movement has not yet begun, but continued hot dry weather through the cotton belt will speed it up.

Linseed Meal—Market continued quiet and easy.

Minneapolis.—The linseed meal market tone remained easy the past week due to liberal offerings and slack demand. Shipments were heavy against maturing contracts, however. Extracted linseed meal, 36 percent protein, was quoted around $57 a ton, bulk, carlots, f.o.b., Minneapolis, by crushers. Expeller meal, 32 percent protein, was quoted at $63 a ton, bulk, for August and at $65 for September.

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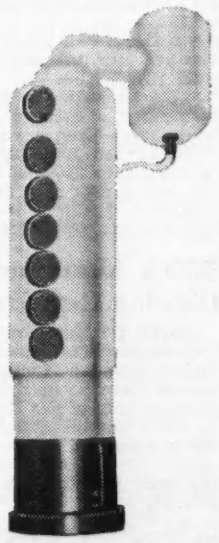
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Shipments of linseed meal, in pounds, were as follows:—

	1953-54	1952-53
Past week	12,420,000	9,740,000
Since Sept. 1	650,050,000	543,200,000

Peanut Feed Meal—Last week the government offered peanuts to produce approximately 650 tons of meal. Old process 45 percent was sold at $82.50 per ton f.o.b. Georgia points and solvent $2 per ton less f.o.b. S. Alabama points, August shipment. Demand was not good and most sales were made locally. Supplies were limited.

Soybean Meal — Conflicting reports about the prospects of the soybean crop kept trading centered to spot shipment. Market was nominal at $90 per ton bulk, basis Decatur unrestricted, August and early September shipment. New crop, October through December, was generally offered at $66 bulk Decatur. Limited quantities of southeastern 44 percent meal was offered at $90 per ton basis Memphis for August-September.

Waxes

Beeswax — Trading was quiet, but the market remained steady, with the firmness of crude grades. African crude was maintained at 55c. to 56c. per pound, prompt delivery as to seller.

Carnauba—This market was thrown in a state of confusion by the new Brazilian foreign exchange regulations for export, which caused most traders to withdraw from the market and await further developments. Prices of spot stocks were reduced 2c. per pound in some quarters. No. 3 Ceara crude was quoted at 76c. to 78c. per pound, and refined technical 78c. to 79c. and pure refined 86c. to 87c. per pound as to quantity and seller. No. 1 Ceara yellow was lower at $1.06 to $1.08 per pound and Parnahyba, $1.12 to $1.14 per pound, same basis.

The new regulations will allow Brazilians to cut their prices as much as 20 percent without reducing the amount received in Brazilian money by producers and exporters.

Japan—Higher replacement cost due to tight supplies, was reflecting locally and spot stocks were advanced 2c. to 42c. to 44c. per pound, according to quantity.

Ouricury—The spot market also was unsettled and prices were reduced to 93c. to 95c. per pound, depending upon seller and quantity. Stocks were light on spot. Demand was slow.

Debt Limit Rise Measure Up for Signing by President

The house last week passed by a vote of 193 to 31 a bill temporarily raising the national debt limit by $6,000,000,000. The measure, which hikes the debt limit from $275,000,000,000 to $281,000,000,000, was passed earlier by the senate as a substitute for a measure approved by the house more than a year ago which provided for an indefinite increase in the debt limit to $290,000,000,000. The new bill, which now goes to the President for signature, requires that the debt limit revert to $275,000,000,000 by next June 30.

BDSA Aluminum-Magnesium Division Gets New Director

George Perkins, director of the products and applications department of Reynolds Metals Company, Louisville, Ky., has been named director of the aluminum-magnesium division of the Business and Defense Services Administration. Mr. Perkins succeeds Clyde M. Adams, who is returning to his post as secretary and director of the Bohn Aluminum & Brass Corporation, Detroit, Mich.

Tax Overhaul Measure Is Signed by President

President Eisenhower last week signed into law the nation's first complete tax revision in seventy-five years. The legislation, which carries with it $1,363,000,000 in tax cuts, was termed by the President as a "monumental tax revision." Mr. Eisenhower regarded the 929-page measure as the cornerstone of his entire domestic program. While it makes no major changes in revenue rates, it rewrites almost every tax law on the statute books.

FOA Man to White House

President Eisenhower last week appointed John H. Stambaugh assistant to Clarence B. Randall, who is serving as special consultant to the White House on foregin economic policy. Mr. Stambaugh, assistant to the director of the Foreign Operations Administration since last November, in his new post will assist Mr. Randall in mapping a foreign eceonomic policy approach for the next congress.

Warehouse Facilities Goal Is Revised by Government

The Office of Defense Mobilization last week revised the expansion goal for warehouse and storage facilities. The revised goal makes available the incentive of rapid tax amortization to facilities in certain localities for the storage of government-owned stockpiles or other materials and machinery, general dry merchandise, and cotton. This is in addition to the refrigerated storages facilities already covered.

In addition, ODM extended time limitations for the freight car and eight other expansion goals in the transportation field. The action sets June 30 1955, instead of December 31, 1954, as the final date construction can begin on equipment or facilities to be eligible for fast tax write-offs.

Sulfuric Acid Output Started By Eagle-Picher in Kansas

A 300-ton-per-day sulfuric acid unit has been started up at the Galena, Kan., plant of Eagle-Picher Company, it was announced last week by Monsanto Chemical Company, designers of the new facility. The unit utilizes sulfur dioxide gas produced by the roasting of zinc ores. The gas is converted by the contact process to sulfur trioxide, which is absorbed to give sulfuric acid. Most of the acid will be used by a nearby company to make phosphate fertilizers.

Bareco Microcrystalline Wax Div. Post to G. W. Skinner

George W. Skinner has been appointed assistant to the vice-president in charge of the microcrystalline wax division of Bareco Oil Company, Tulsa, Okla. Mr. Skinner replaces James D. Frawley who will leave Bareco on September 1 to become actively engaged as vice-president of Frank Frawley Drilling Company.

Mr. Skinner had been Bareco's Chicago division sales manager for the past three years. Replacing Mr. Skinner as head of the Chicago office will be C. D. Murphy.

Oil, Gas Submerged Land Public Notices Are Delayed

The Department of the Interior last week announced that it had "indefinitely postponed" public notice of submerged lands areas to be offered for oil and gas leasing. According to under Secretary Ralph A. Tudor, publication will be withheld until lawyers of the department have had sufficient opportunity to study the law recently enacted in Louisiana which fixes the seaward boundaries of that state.

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2—F. J. STOKES ROTARY VACUUM DRYERS, 3'x15' and 30"x8'.
1—13,000 gal. HORIZONTAL PROPANE PRESSURE TANK ASME 225# W.P.
2—Lee 6'x6' closed S.S. agitated Tanks.
4—LINK BELT ROTO-LOUVRE DRYERS, 7'5" x20', 3'10"x16', 2'7"x10".
4—ABBE 6'x10' porcelain lined, jacketed PEBBLE MILLS.
1—Eureka #3 Jar Mill, 14.7 gals.
5—MIKRO PULVERIZERS, #2DH, #2TH, #1SH, #1SI and Bantam.
2—HARDINGE 6'x22", 4½'x16" CONICAL STEEL LINED MILLS.
1—Baker Perkins 50 gal., Type JEM, double arm, JACKETED MIXER, 50 HP motor.
2—BAKER PERKINS 100, 50 gal. double arm, JACKETED MIXERS, Sigma Blades.
1—BAKER PERKINS 35 gal., stainless steel, double arm, JACKETED MIXER, Sigma Blades.
5—Orville Simpson Rotex Sifters 40"x84", 20"x81", 40"x120".
5—Stokes R, DD2, D4, D3 and B2 Rotary Tablet Machines.

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#316 Stainless Steel tanks, new 100, 200 & 360 gal.
1—Stainless Tank #430 Chrome, vert. 7'x10' deep.
30—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Robbins Vibrex 3x6 Vibrating Screen, single deck.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
60—New Pressure Cookers, 18"x18" & 24"x28".
150—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 180 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
2—Ransome Rotating Drum Mixers 9' dia. x 11'8".
1—Abbe Ball Mill, 140 gal., Burr-Stone lined.
3—New Drum Rollers.
2—Nash Air Compressors, Type AL-623.
1—Manton Gaulin Stainless Homogenizer 125 gph.
2—I&R Vacuum Pumps, 5 H.P., 60'x100'.
1—Shriver 18" Aluminum Filter 9-plates 9-frames.
15—Heat Exchangers (some stainless steel).
1—Kennedy-Van Saun Rotary Dryer, 4'x40'.
Davenport Rotary Steam Tube Dryer, 8'x36'.
1—Gruendler Hammer Mill, 10 H.P.—New.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill, 5'x22'—Burr-Stone Lined.
1—Patterson Ball Mill, porcelain lined, 17"x27".
1—Patterson Ball Mill, 42x36, jacketed.
3—Dopp Kettles with agitators 600 gal. cap.
45—Steel Tanks from 100 to 100,000 gals.
2—Large Steam Jacketed Horizontal Mixers.
Robinson Pulverizer #20, with 2 motors 10 HP each.
Rosinson Ribbon Type Mixer, 30"x10'—like new.
6—Steam Jacketed Blackburn-Smith Filters.
2—Crystallizers—10' long.
1—Sparkler S.S. Filter 16-D-6.
3—3,000 gal. Jacketed Kettles with Turbo Agitators.
1—#10 J. H. Day 300 gal. Sigma Blade Mixer, Jacketed.

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1—Traylor Rotary Kiln, 10'6" x 112' L.
1—Allis Ch. Contin. Steel Ball Mill, 6' D x 16' L.
3—Pebble Mills, Contin., 4'6" D x 12' L.
3—Charlotte #50 Colloid Mills, 75 HP.
1—Bird 36 x 50 Solid Bowl Centrifuge.
5—Muffle Furnaces with 2 chrome Nickel Alloy Tubes, 18" dia. x 8'6" L.
1—4700 gal. Nickel Clad Tank with coil and agitator.
1—2000 gal. Stainless Clad Tank with coil & agitator.
1—Sperry 30" C.I. P&F Filter, 46 ch.
1—Sperry 30" Wood P&F Filter, 30 ch.
2—Sperry 24" C.I. 30 Recessed Plate Filters.
2—Sperry 42" Filter Skeletons.
1—Dorr Thickener 22' dia.
3—Dorr Thickeners, 15' dia.
2—Richardson Convey-O-Weigh Scales.
1—Jeffrey Taylor Conveying Screen.
1—99' x 14" belt Trough Conveyor.
2—35' x 16" belt Trough Conveyors.
1—30' x 14" belt Trough Conveyor.
1—135' x 24" Pan Conveyor.
1—100' Jeffrey Pan Conveyor.
1—75' Jeffrey Pan Conveyor.
1—Pan Elevator and Conveyor, 55' horiz., 37' vert.
4—Bucket Elevators, 95', 60', 32', 30'.
2—Shriver Diaphragm Pumps, 75 GPM.
1—Lead Pump 3 x 2, 7½ HP.
1—Hydroseal Sand Pump, 3 x 3.
6—Dorrco 3" Slurry Pumps.
200—Hard Lead Valves.
1—Vogt Waste Heat Boiler, 178# WSP, 248 HP.
2—110,000 gal. Wood Tanks.
25—Wood Tanks, 10,000 gal. to 28,000 gal.
1—150,000 gal. Steel Tank.
16—Steel Tanks, 4000 gal. to 20,000 gal.
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Stokes 2'x6' Rotary Vac. Dryer.
Devine #12 Vac. Shelf Dryer, 40"x42".
Proctor & Schwartz Soap Chip Dryer.
5 x15 Rotary Kiln brick lined complete.
2—Allbr Nell 4 x9 Atmos Drum Dryers.
1—Buffalo Vac. Drum Dryer, 24"x20".
6—Steam, gas & elect. Dryers.
8—Rotary Dryers. Direct & indirect. Also Jacketed & Steam Tube.
New Rotary Dryers. Kilns and Coolers

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4—Tolhurst 40" Suspended Type Centrifugals Bottom Discharge.
8—Centrifugals, 12", 20", 26", 30", 40" & 48" Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges. 2 HP. Also Sharples #6.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS
1—Vallez Filter #49 with 41 Stainless covered 44½" dia leaves.
Shriver 30"x30" Iron P&F Filter Press.
10—Sperry and Shriver, 12" 18" 24" 30" 36" iron Filter Presses, also disc types.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS
Dopp 350 gal. Agit. Jack CI Vac Kettle.
450 gal. closed agit. Steel Kettle.
2—Impreg. Units 30" & 36" dia., complete.
100 gal. Jack Impregnating Kettle.
15 gal. Autoclave agitated.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
1—250 gal Lead lined Kettle
5—American Tool 300 gal. Churns.
1—250 gal. Jacketed Copper Kettle.
Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks.
New Stainless Tanks built to order.
Copper & Stainless Varnish Kettles.

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Patterson Pebble Mills, 6'x8', 6'x5', 30"x42".
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Abbe 25 gal. steel encased Jar Mill.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#000 Raymond Mills
Williams #3 & 2XX heavy duty Hammer Mills.
Williams 5 Roll Super Titan Roller Mill.
Ball & Jewell Rotary Cutters Lab & #1.
Jeffrey 18"x18" single Roll Crusher.
Buchanan 12"x12" Jaw Crusher.
1—Sturtevant 42" Rock Emery Mill.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill. 3 pr. high. Also 7½x20. 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Baker Perkins double arm Mixers, 100, 50 & 9 gal. Also single arm Mixers.
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
Day 1000# Steel Powder Mixer M.D.
10—Dry Powder Mixers, 50 to 3,000 #.
4—Day 2½, 8, 15 & 40 gal. Pony Mixers.
1—Ross type 150 gal. change Can Mixer.
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6—Lead and Paste Mixers, to 150 gals.

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Stokes #280, 4" dia. Preform Machine.
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3—Buffalo Horiz. Vac. Pumps, 5 H.P.
5—Stokes & Colton Rotary and Single Punch Tablet Machines. ⅛ to 4"
Kane 2 H.P. Gas Boilers, 200# pressure.
1—Knapp Model S Can Labeler M.D.
3—Stokes and Day Powder Fillers.
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Filling Machines & Labelers.
Pneumatic Scale Automatic Capper.
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2—Revolving Pans, 30" & 36" dia.
1—Gould 75 HP 2 stage centrif. Pump.
2—Worth 12"x12"x12" Vac. Pumps
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★ Rotary Jacketed Vacuum Dryer; 52" x 102"; Dust Collector & access.
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★ Stainless Steel Bubble Cap Column; 16 sec.; 8⅝" x 19'; complete.
★ Aluminum Column; Bubble Cap; 60 plates; 27½" dia. x 36' high.
★ Vertical Stainless Steel Condenser; 13' high; 231 S.S. Tubes; 220 sq. ft.
★ Mojonnier Stainless Vacuum Pan; 3' x 10' with Calandria Section.
★ Pfaudler Glass Lined Jacketed Reactors; 150 gal., 400 gal., 1000 gal.
★ Monel 750 gal. Reactor; Jacketed and Agitated; 5' x 5'.
★ Copper 2000 gal. Vacuum Pan; manhole type; coil heated.
★ Lancaster Stainless Lined Rotary Reactor; 300 PSI; Int. 50" x 17'.
★ Stainless Vacuum Still; 425 gal.; 4'6"x6' with Coil and column.
★ Dopp Cast Iron Jacketed and Agitated Kettles; 650 gal.; 61" x 68".
★ Bethlehem Cast Iron Sulphonator; 79" x 74½"; with Coils in Jacket.
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★ Robinson Unique Stainless Steel Mixer with Sifter; 17" x 30" x 20".
★ Stainless Steel 40 cu. ft. Double Ribbon Jacketed Mixer; 32" x 96".
★ Sprout Waldron Stainless Ribbon Mixer; Continuous Cylinder; 28" x 12'.
★ Baker Perkins 200 gal. Jacketed Double Arm Mixer; size 17; BB/V11.
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★ American Ring Roll Pulverizer with 50 HP 3/60/220-440 V motor.
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1—Struthers Wells Steel Jacketed Vacuum Reactor with Impeller type Agitator, 1800 gal., ASME.

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5—Koven Stainless Steel Jacketed Kettles, 380 gal. ea.

1—Patterson Stainless Steel Jacketed Kettle with Anchor type agitator, 100 gals., ASME.

1—Patterson Kelly, Stainless Steel Jacketed Autoclave, 50 gal. with Impeller type Agitator, 200# Internal Pressure.

1—Day 3-roll lab. Paint Mill, 5" x 12".

1—Stainless Steel Type 316, 8000 gal. Storage Tanks.

3—Stainless Steel 5,000 gal., Type 316 Storage Tanks.

2—Stainless Steel 1500 gal., Type 316 and 347 Storage Tanks.

5—Aluminum 10,000 gal. Vertical Storage Tanks.

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2—Haveg 2000 gal. Storage Tanks.

8—Pfaudler Glass-Lined Vacuum Receivers, 50 gal. ea.—New.

3—Buflovak Single Door Vacuum Shelf Dryers, 20 shelves.

1—Devine Double Door Vacuum Shelf Dryer, 13 shelves, Heresite-lined shelves.

2—Devine Single Door Vacuum Shelf Dryers, 10 shelves.

1—Buflovak Single Door Vacuum Shelf Dryer, 5 shelves.

1—Devine #A Vacuum Shelf Dryer with 3 Stainless Steel shelves (New).

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2—Buflovak 24" x 36" Double Drum Dryers.

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2—Shriver 24" x 24" Cast Iron Plate and Frame Filter Presses, 22 chambers ea.

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4—Alco Steel Heat Exchanger, 450 sq. ft. ea.

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1—Lummus Steel Bubble Cap Column, 4' x 37'.

1—Colonial Iron Works Monel Bubble Cap Column, size 2' x 5'.

2—Colonial Iron Works Monel Heat Exchangers, 350 sq. ft., 150 sq. ft.

1—Lummus Type 316 Stainless Steel Heat Exchanger, 360 sq. ft.

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40" Fletcher 304 S/S-Suspended, Bottom Discharge 15HP.
Sharples, Super-D-Hydrator, Stainless Steel.
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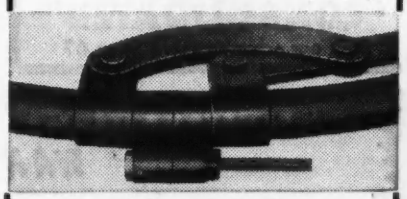

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CENTRIFUGE—Tolhurst 30" underdriven type 316 S.S. with 2 speed 3 HP XP motor. NEW.
COLLOID MILLS—All S.S. Construction, 3", 6", & 10". With Motors.
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KETTLES—Steel and S.S. 35 gal. to 250 gal. Jacket 100 PSI.
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MIXERS—Dry Powder 600#.

MIXER—Day 2½ gal., jktd., vac., double sigma blade.

MIKRO PULVERIZER—2 St.
MILLS—25, 125 gal.; Jar, 10 gal.; Pebble, 250 gal.; 3-roll, 16"x 40".
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4—New Stokes #138 H5 8-shelf 40" x 44" vacuum dryers.
1—Baker Perkins 200 gal. vac. mixer, explosion proof motor type BB.
1—Baker Perkins 150 gal. vac. mixer, JNM.
1—Baker Perkins 500 gal. jacketed mixer.
1—Sprout-Waldron 1200# stainless steel jacketed ribbon blender.
2—3000# all steel jacketed ribbon blenders.
1—New Pfaudler 50 gal. glass-lined jacketed kettle.
3—Pfaudler 500 gal. glass-lined reactors.
3—Colton 5½T tablet presses, 3" diameter.
25—Aluminum condensers, 400 and 600 sq. ft.
1—Shriver 36" filter press, iron, closed delivery, 32 chambers.
1—Feinc 5' x 3' all monel vacuum filter.

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Enzinger Powder Filter—One stainless steel Enzinger diatomaceous earth filter, measuring 36" dia. x 48" high tank, 17 leaves on 1⅞" centers, having total area of approx. 250 sq. ft., with separate Enzinger stainless steel open type slurry feeder, portable clamp-on type agitator, Shriver slurry pump, etc. Subject to prior sale at attractive price. OPD 454.

Clearance Sale: 22-72 liter flasks; 20-55 gal. crocks; Glascol mantles; Powerstats; motors; agitators; analytical chainomatic balance; Refractometer; all used little or not at all. Also basic, intermediate and fine chemicals. Prices more than 50% below market. OPD 457.

EQUIPMENT OFFERED

Filler—One used Pneumatic Scale Samco Jr. 10-head straight line vacuum filler, will handle pint, quart, half gallon rectangular cans and pint and quart round bottles, with Nash water seal vacuum pump, speed 5-40 per minute, with ¾ HP motor, all contact point of stainless steel and with separate CaPeM screwcapper. OPD 455.

Kent 4"x8" Lab Roller Mill, Abbe Lab Dispersall Mixer, two Abbe 155-gallon Dispersall Mixers, two 3,000-lb. Dry powder Mixers. OPD 456.

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Filters, Dryers, Kettles, Grinders, Mixers, all sizes and types. A complete line of machinery for the Chemical and Allied Industries. Let us know about your Idle Machinery. Wolf-Perry Machinery Company, 293 Frelinghuysen Ave., Newark, N.J.

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Chemical Equipment wanted for defense plant work including autoclave centrifuges, dryers, filters, kettles, mixers, pulverizers and tanks. Also interested in set-up plants, now operating or idle. Give full particulars in first letter for consideration. OPD 435.

EQUIPMENT WANTED

Pilot Plant and full scale chemical plant equipment required for large expansion program. Kettles, columns, heat exchangers, tanks, mixers, dryers, centrifuges, pumps, filters, screens, pulverizers, etc. Stainless Steel alloy equipment preferred. Complete plants given immediate study. OPD 436.

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POSITIONS WANTED

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Nuclear Power Co. Started

—Continued from page 5

cording to Mr. Dean. Headquarters of the new company have been established in Pittsburgh. The company's president is Ronald A. Brightsen. Mr. Brightsen was previously associated with the atomic power division of Westinghouse Electric Corporation, as were the company's vice-president and technical director, Dr. Ralph L. Ely, and the company's secretary-treasurer, Richard S. Frankel.

Among the directors of the corporation are Dr. Glenn T. Seaborg and Dr. Manson Benedict. Dr. Seaborg, a professor at the University of California, was a co-discoverer of element 94 (plutonium), and elements 97 and 98. Dr. Benedict, a professor of nuclear engineering at Massachusetts Institute of Technology, serves as scientific director of the National Research Corporation.

In addition to Messrs. Dean, Brightsen and Frankel and Drs. Seaborg, Benedict, Ely and Kohman, the directors of the corporation include Freeman H. Dyke of American Metal Company, Ltd., Morris F. Ketay, president of Ketay Manufacturing Corporation, and William H. Osborn, of Lehman Brothers.

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Norway's '54 Oilseed Needs Put at 100,000 Short Tons

Norway's import requirements of oilseeds for 1954 are estimated at around 100,000 short tons, according to the American Embassy, Oslo. Of the total, about 40 percent may be expected to consist of copra from the Philippine Islands and Portuguese Africa. Almost all of the import requirements of flaxseed of around 22,000 tons (786,000 bushels) will come from the United States, according to importers, provided that flaxseed will be made available for export under the United States agricultural surplus program.

Regarding soybeans, importers state that because of favorable prices and trade agreements more soybeans are now being taken from Manchuria and correspondingly less from the United States. Thus, in 1953 only 86 percent of the total soybean imports of 24,545 tons came from the United States, compared with 92 percent in 1952, while only 66 percent of the January-April 1954 imports of 8,134 tons came from the United States. The total 1954 import requirement of soybeans is estimated at 24,250 tons (808,000 bushels).

Possibly 1,650 tons of olive oil will be imported from Spain during 1954, as that quantity is specified in the current Spanish-Norwegian bilateral trade agreement.

Los Angeles Paint Technicians To Elect Officers September 8

The Los Angeles Paint & Varnish Production Club has scheduled its annual meeting and election of officers for September 8 at Scully's; 4801 South Crenshaw. Dinner has been planned for 6:45 p.m. William H. Jones of the United States Testing Company Laboratories will present "Sward Hardness Rocker," a resume of the paper to be given at the federation meeting in Chicago on November 18-20. Reports of the technical committees will also be included on the program.

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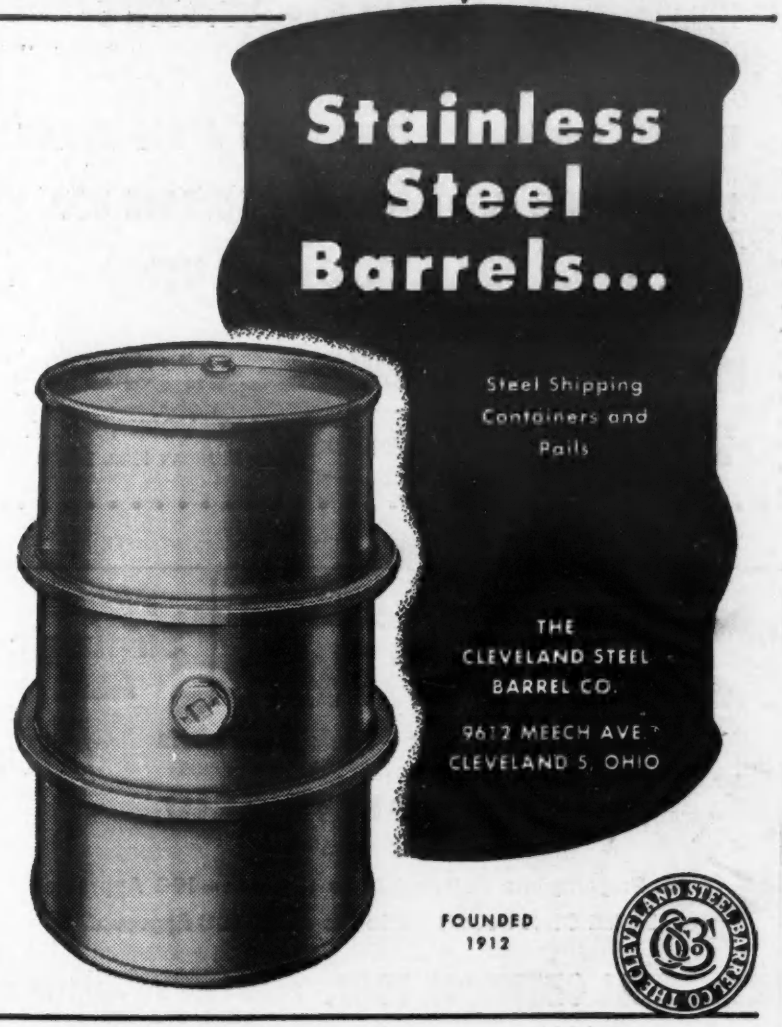

THE TURKISH GOVERNMENT SEEKS BIDS FOR DDT, TRITON, XYLENE, SPRAYERS, SPARE PARTS FOR SPRAYERS, MICROSOLS, AND MALATHION 50 SPRAY

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250 Metric Tons— Pure Technical DDT
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500— Sprayers
Spare parts for the Sprayers
100— Microsols
2,000 gallons— Malathion 50 Spray

Prime manufacturers may obtain full sets of specifications by writing to the Turkish Economic Mission, 2523 Massachusetts Avenue, N.W., Washington 8, D.C. A certificate of the local Chamber of Commerce will be required certifying that the bidder is a prime manufacturer, as a prerequisite to bid.

The bids must be submitted for each item individually in separate and within sealed envelopes and must be addressed airmail to.

Presidency of the Purchasing Commission
for Malaria Fighting Equipment
Ministry of Public Health and Social Assistance
Ankara, Turkey

and they should reach their destination on or before September 9, 1954, on which day they will be opened by the aforementioned Purchasing Commission.

The bidders among other stipulations, should state the compliance of the insecticides to latest WHO Specifications, unit value, the preparedness of the supplier to make delivery within 45 days after the opening of the Letter of Credit and the filing of a Performance Bond equal to 10% of the value of the order.

The inspection of the material to be delivered will be performed by Robert W. Hunt Company, 59 Murray Street, New York, New York, at the expense of the supplier.

Bids should be firm through October 11, 1954, and should be made on a CF Port of Istanbul basis.

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